

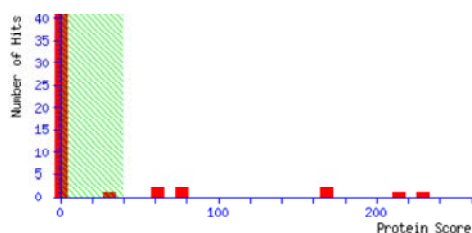


Mascot Search Results

User : JPROS
Email : pro@jbios.co.jp
Search title : D:\JPROS\L015\c(x10)_6micro.wiff (sample number 1)
MS data file : mas90F.tmp
Database : NCBIprot 20180429 (152462470 sequences; 55858910152 residues)
Taxonomy : Homo sapiens (human) (327411 sequences)
Timestamp : 14 Feb 2019 at 06:30:53 GMT
Protein hits : [EAW48850.1](#) RNA U, small nuclear RNA export adaptor (phosphorylation regulated), partial [Homo sapiens]
[NP_004631.1](#) spliceosome RNA helicase DDX39B [Homo sapiens]
[AAH00151.1](#) Chromosome 22 open reading frame 28 [Homo sapiens]
[BAB15509.1](#) unnamed protein product [Homo sapiens]
[BAH14636.1](#) unnamed protein product [Homo sapiens]
[NP_000414.2](#) keratin, type II cytoskeletal 2 epidermal [Homo sapiens]
[NP_006112.3](#) keratin, type II cytoskeletal 1 [Homo sapiens]
[NP_000412.3](#) keratin, type I cytoskeletal 10 [Homo sapiens]
[Q6PEY2.2](#) RecName: Full=Tubulin alpha-3E chain; AltName: Full=Alpha-tubulin 3E; Contains: RecName: Full=Detyrosina

Mascot Score Histogram

Ions score is $-10 \cdot \log(P)$, where P is the probability that the observed match is a random event.
Individual ions scores > 39 indicate identity or extensive homology ($p < 0.05$).
Protein scores are derived from ions scores as a non-probabilistic basis for ranking protein hits.



Peptide Summary Report

| | | |
|---------------------------|---|---|
| Format As | Peptide Summary | Help |
| Significance threshold p< | 0.05 | Max. number of hits |
| Standard scoring | <input type="radio"/> MudPIT scoring <input checked="" type="radio"/> | Display non-significant matches <input checked="" type="checkbox"/> |
| Show pop-ups | <input checked="" type="radio"/> Suppress pop-ups <input type="radio"/> | Sort unassigned |
| Preferred taxonomy | All entries | Require bold red <input type="checkbox"/> |

Select All Select None Search Selected ☐ Error tolerant

1. [EAW48850.1](#) Mass: 46023 Score: 229 Matches: 18(5) Sequences: 10(5) emPAI: 0.47

RNA U, small nuclear RNA export adaptor (phosphorylation regulated), partial [Homo sapiens]

☐ Check to include this hit in error tolerant search

| Query | Observed | Mr(expt) | Mr(calc) | Delta | Miss | Score | Expect | Rank | Unique | Peptide |
|---|----------|-----------|-----------|---------|------|-------|---------|------|--------|--|
| <input checked="" type="checkbox"/> 263 | 468.7125 | 935.4104 | 935.4712 | -0.0609 | 0 | (31) | 0.55 | 1 | U | K.VADEISFR.L |
| <input checked="" type="checkbox"/> 264 | 468.7136 | 935.4126 | 935.4712 | -0.0587 | 0 | (31) | 0.49 | 1 | U | K.VADEISFR.L |
| <input checked="" type="checkbox"/> 265 | 468.7168 | 935.4190 | 935.4712 | -0.0522 | 0 | 52 | 0.0036 | 1 | U | K.VADEISFR.L |
| <input checked="" type="checkbox"/> 266 | 468.7171 | 935.4196 | 935.4712 | -0.0516 | 0 | (11) | 50 | 1 | U | K.VADEISFR.L |
| <input checked="" type="checkbox"/> 267 | 468.7238 | 935.4331 | 935.4712 | -0.0382 | 0 | (23) | 2.9 | 1 | U | K.VADEISFR.L |
| <input checked="" type="checkbox"/> 268 | 468.7303 | 935.4460 | 935.4712 | -0.0253 | 0 | (20) | 6.7 | 1 | U | K.VADEISFR.L |
| <input checked="" type="checkbox"/> 269 | 468.7304 | 935.4463 | 935.4712 | -0.0250 | 0 | (19) | 8.4 | 1 | U | K.VADEISFR.L |
| <input checked="" type="checkbox"/> 341 | 579.8120 | 1157.6094 | 1157.6808 | -0.0715 | 0 | 77 | 1.6e-05 | 1 | U | R.TPGGVFLNLLK.N |
| <input checked="" type="checkbox"/> 343 | 585.2586 | 1168.5026 | 1168.5764 | -0.0739 | 0 | 36 | 0.18 | 1 | U | K.DIFYIENQK.E |
| <input checked="" type="checkbox"/> 373 | 623.2650 | 1244.5154 | 1244.6248 | -0.1094 | 0 | (1) | 5.5e+02 | 6 | U | K.NTPSISEEQIK.D |
| <input checked="" type="checkbox"/> 374 | 623.2676 | 1244.5206 | 1244.6248 | -0.1042 | 0 | 38 | 0.12 | 1 | U | K.NTPSISEEQIK.D |
| <input checked="" type="checkbox"/> 375 | 623.2742 | 1244.5339 | 1244.6248 | -0.0909 | 0 | (30) | 0.71 | 1 | U | K.NTPSISEEQIK.D |
| <input checked="" type="checkbox"/> 419 | 656.7584 | 1311.5022 | 1311.5830 | -0.0808 | 0 | 44 | 0.018 | 1 | U | R.YEITAEDSQEK.V |
| <input checked="" type="checkbox"/> 424 | 665.2975 | 1328.5804 | 1328.6612 | -0.0808 | 0 | 54 | 0.0025 | 1 | U | R.QSETYNYLLAK.K |
| <input checked="" type="checkbox"/> 449 | 713.7594 | 1425.5042 | 1425.6008 | -0.0966 | 0 | 63 | 0.00014 | 1 | U | K.SLNFQEDDTSR.E |
| <input checked="" type="checkbox"/> 462 | 509.2150 | 1524.6232 | 1524.7056 | -0.0824 | 1 | 28 | 0.99 | 1 | U | K.GRYEITAEDSQEK.V |
| <input checked="" type="checkbox"/> 486 | 555.8904 | 1664.6495 | 1664.7352 | -0.0857 | 1 | 35 | 0.13 | 1 | U | K.DLDKELDEYMHGK.K + Oxidation (M) |
| <input checked="" type="checkbox"/> 501 | 598.5956 | 1792.7651 | 1792.8315 | -0.0664 | 0 | 33 | 0.24 | 1 | U | R.AFQNTATACAPVSHYR.A + Carbamidomethyl (C) |

Proteins matching the same set of peptides:

[NP_115553.2](#) Mass: 44375 Score: 229 Matches: 18(5) Sequences: 10(5)

phosphorylated adapter RNA export protein [Homo sapiens]

2. [NP_004631.1](#) Mass: 48960 Score: 218 Matches: 22(8) Sequences: 14(7) emPAI: 0.79

spliceosome RNA helicase DDX39B [Homo sapiens]

☐ Check to include this hit in error tolerant search

| Query | Observed | Mr(expt) | Mr(calc) | Delta | Miss | Score | Expect | Rank | Unique | Peptide |
|---|----------|----------|----------|---------|------|-------|--------|------|--------|---------------|
| <input checked="" type="checkbox"/> 249 | 453.7154 | 905.4162 | 905.4607 | -0.0445 | 0 | 33 | 0.36 | 2 | | R.DVQEIFR.M |
| <input checked="" type="checkbox"/> 262 | 468.2757 | 934.5368 | 934.5124 | 0.0245 | 0 | 16 | 21 | 1 | | R.ELAFQISK.E |
| <input checked="" type="checkbox"/> 285 | 486.7459 | 971.4773 | 971.5036 | -0.0263 | 0 | 46 | 0.019 | 1 | | K.IILNDVQDR.F |

| | | | | | | | | | | | |
|-------------------------------------|---------------------|----------|-----------|-----------|---------|---|------|---------|---|---|--|
| <input checked="" type="checkbox"/> | 302 | 518.2139 | 1034.4132 | 1034.4889 | -0.0757 | 0 | 47 | 0.014 | 1 | | K.MLEQLDMR.R |
| <input checked="" type="checkbox"/> | 319 | 526.2008 | 1050.3871 | 1050.4838 | -0.0967 | 0 | (38) | 0.12 | 1 | | K.MLEQLDMR.R + Oxidation (M) |
| | 320 | 526.2169 | 1050.4192 | 1050.4838 | -0.0646 | 0 | (7) | 1.8e+02 | 2 | | K.MLEQLDMR.R + Oxidation (M) |
| <input checked="" type="checkbox"/> | 323 | 534.2281 | 1066.4416 | 1066.4787 | -0.0371 | 0 | (35) | 0.32 | 1 | | K.MLEQLDMR.R + 2 Oxidation (M) |
| | 332 | 552.2359 | 1102.4573 | 1102.6499 | -0.1926 | 0 | (5) | 3.3e+02 | 2 | | R.ILVATNLFGR.G |
| <input checked="" type="checkbox"/> | 333 | 552.2887 | 1102.5628 | 1102.6499 | -0.0870 | 0 | (18) | 15 | 1 | | R.ILVATNLFGR.G |
| <input checked="" type="checkbox"/> | 334 | 552.2981 | 1102.5816 | 1102.6499 | -0.0683 | 0 | (18) | 16 | 1 | | R.ILVATNLFGR.G |
| <input checked="" type="checkbox"/> | 336 | 552.3108 | 1102.6070 | 1102.6499 | -0.0429 | 0 | 73 | 4.4e-05 | 1 | | R.ILVATNLFGR.G |
| <input checked="" type="checkbox"/> | 340 | 569.3175 | 1136.6205 | 1136.6594 | -0.0389 | 0 | 43 | 0.04 | 1 | U | K.VAVFPGGLSIK.K |
| <input checked="" type="checkbox"/> | 371 | 622.3576 | 1242.7006 | 1242.7336 | -0.0329 | 0 | 24 | 2.4 | 1 | | R.DFLKPELLR.A |
| <input checked="" type="checkbox"/> | 379 | 629.7877 | 1257.5608 | 1257.6097 | -0.0489 | 0 | 60 | 0.00065 | 1 | U | K.QVMMFSATLSK.E + Oxidation (M) |
| <input checked="" type="checkbox"/> | 392 | 637.7819 | 1273.5492 | 1273.6046 | -0.0554 | 0 | (46) | 0.017 | 1 | U | K.QVMMFSATLSK.E + 2 Oxidation (M) |
| <input checked="" type="checkbox"/> | 411 | 432.8691 | 1295.5856 | 1295.6259 | -0.0403 | 0 | 29 | 0.78 | 1 | U | K.GSYVSIHSSGFR.D |
| <input checked="" type="checkbox"/> | 417 | 436.2066 | 1305.5979 | 1305.6612 | -0.0633 | 0 | 9 | 77 | 1 | U | K.NCFHIVVGTGPR.I + Carbamidomethyl (C) |
| <input checked="" type="checkbox"/> | 455 | 488.2490 | 1461.7251 | 1461.7980 | -0.0729 | 0 | 42 | 0.036 | 1 | | K.LTLHGLQQYYVK.L |
| <input checked="" type="checkbox"/> | 457 | 740.3255 | 1478.6364 | 1478.7253 | -0.0889 | 0 | 62 | 0.00032 | 1 | | K.GLAITFVSDENDAK.I |
| <input checked="" type="checkbox"/> | 458 | 740.3494 | 1478.6842 | 1478.7253 | -0.0411 | 0 | (8) | 84 | 1 | | K.GLAITFVSDENDAK.I |
| <input checked="" type="checkbox"/> | 511 | 626.2311 | 1875.6715 | 1875.7907 | -0.1191 | 0 | 18 | 2.2 | 1 | U | K.FMQDPMEIFVDDETK.L + 2 Oxidation (M) |
| <input checked="" type="checkbox"/> | 528 | 668.9311 | 2003.7715 | 2003.8856 | -0.1141 | 1 | 28 | 0.35 | 1 | U | R.KFMQDPMEIFVDDETK.L + 2 Oxidation (M) |

Proteins matching the same set of peptides:

[BAF31287.1](#) Mass: 50647 Score: 218 Matches: 22(8) Sequences: 14(7)

BAT1 protein [Homo sapiens]

[BAD96632.1](#) Mass: 48988 Score: 218 Matches: 22(8) Sequences: 14(7)

HLA-B associated transcript 1 variant, partial [Homo sapiens]

3. [AAH00151.1](#) Mass: 55209 Score: 164 Matches: 8(4) Sequences: 8(4) emPAI: 0.29

Chromosome 22 open reading frame 28 [Homo sapiens]

☐ Check to include this hit in error tolerant search

| Query | Observed | Mr(expt) | Mr(calc) | Delta | Miss | Score | Expect | Rank | Unique | Peptide |
|---|----------|-----------|-----------|---------|------|-------|---------|------|--------|--|
| <input checked="" type="checkbox"/> 288 | 488.2516 | 974.4887 | 974.5219 | -0.0332 | 0 | 20 | 8.1 | 1 | U | K.LADMGIAIR.V + Oxidation (M) |
| <input checked="" type="checkbox"/> 338 | 553.7566 | 1105.4987 | 1105.5590 | -0.0603 | 0 | 33 | 0.33 | 1 | U | R.GGGVGGFLPAMK.Q + Oxidation (M) |
| <input checked="" type="checkbox"/> 350 | 603.7683 | 1205.5220 | 1205.5928 | -0.0709 | 0 | 53 | 0.0031 | 1 | U | R.NLDFQDVLDK.L |
| <input checked="" type="checkbox"/> 354 | 610.7890 | 1219.5635 | 1219.6084 | -0.0449 | 0 | 66 | 0.00019 | 1 | U | R.IASPEGQDYLK.G |
| <input checked="" type="checkbox"/> 437 | 672.7971 | 1343.5796 | 1343.6569 | -0.0772 | 0 | 55 | 0.0017 | 1 | U | R.TNLDES DVQPVK.E |
| <input checked="" type="checkbox"/> 441 | 693.2823 | 1384.5501 | 1384.6510 | -0.1009 | 0 | 53 | 0.0028 | 1 | U | R.SYNDELQFLEK.I |
| <input checked="" type="checkbox"/> 452 | 482.2528 | 1443.7366 | 1443.8310 | -0.0944 | 0 | 28 | 0.92 | 1 | U | K.QIGNVAALPGIVHR.S |
| <input checked="" type="checkbox"/> 493 | 577.2702 | 1728.7887 | 1728.8101 | -0.0214 | 0 | 38 | 0.089 | 1 | U | K.NVTDVVNTCHDAGISK.K + Carbamidomethyl (C) |

Proteins matching the same set of peptides:

[CAG33456.1](#) Mass: 55228 Score: 164 Matches: 8(4) Sequences: 8(4)

HSPC117 [Homo sapiens]

[NP_055121.1](#) Mass: 55175 Score: 164 Matches: 8(4) Sequences: 8(4)

tRNA-splicing ligase RtcB homolog [Homo sapiens]

4. [BAB15509.1](#) Mass: 52980 Score: 163 Matches: 16(5) Sequences: 9(5) emPAI: 0.40

unnamed protein product [Homo sapiens]

☐ Check to include this hit in error tolerant search

| Query | Observed | Mr(expt) | Mr(calc) | Delta | Miss | Score | Expect | Rank | Unique | Peptide |
|---------------------|----------|-----------|-----------|---------|------|-------|---------|------|--------|--------------------------------|
| 249 | 453.7154 | 905.4162 | 905.4607 | -0.0445 | 0 | 33 | 0.36 | 2 | | R.DVQEIFR.L |
| 262 | 468.2757 | 934.5368 | 934.5124 | 0.0245 | 0 | 16 | 21 | 1 | | R.ELAFQISK.E |
| 285 | 486.7459 | 971.4773 | 971.5036 | -0.0263 | 0 | 46 | 0.019 | 1 | | K.ILNDVQDR.F |
| 302 | 518.2139 | 1034.4132 | 1034.4889 | -0.0757 | 0 | 47 | 0.014 | 1 | | K.MLEQLDMR.R |
| 319 | 526.2008 | 1050.3871 | 1050.4838 | -0.0967 | 0 | (38) | 0.12 | 1 | | K.MLEQLDMR.R + Oxidation (M) |
| 320 | 526.2169 | 1050.4192 | 1050.4838 | -0.0646 | 0 | (7) | 1.8e+02 | 2 | | K.MLEQLDMR.R + Oxidation (M) |
| 323 | 534.2281 | 1066.4416 | 1066.4787 | -0.0371 | 0 | (35) | 0.32 | 1 | | K.MLEQLDMR.R + 2 Oxidation (M) |
| 332 | 552.2359 | 1102.4573 | 1102.6499 | -0.1926 | 0 | (5) | 3.3e+02 | 2 | | R.ILVATNLFGR.G |
| 333 | 552.2887 | 1102.5628 | 1102.6499 | -0.0870 | 0 | (18) | 15 | 1 | | R.ILVATNLFGR.G |
| 334 | 552.2981 | 1102.5816 | 1102.6499 | -0.0683 | 0 | (18) | 16 | 1 | | R.ILVATNLFGR.G |
| 336 | 552.3108 | 1102.6070 | 1102.6499 | -0.0429 | 0 | 73 | 4.4e-05 | 1 | | R.ILVATNLFGR.G |
| 371 | 622.3576 | 1242.7006 | 1242.7336 | -0.0329 | 0 | 24 | 2.4 | 1 | | R.DFLKPELLR.A |
| 390 | 424.2794 | 1269.8165 | 1269.6214 | 0.1951 | 0 | 4 | 1.7e+02 | 3 | U | K.GSHVSIHSSGFR.D |
| 455 | 488.2490 | 1461.7251 | 1461.7980 | -0.0729 | 0 | 42 | 0.036 | 1 | | K.LTLHGLQQYYVK.L |
| 457 | 740.3255 | 1478.6364 | 1478.7253 | -0.0889 | 0 | 62 | 0.00032 | 1 | | K.GLAITFVSDENDAK.I |
| 458 | 740.3494 | 1478.6842 | 1478.7253 | -0.0411 | 0 | (8) | 84 | 1 | | K.GLAITFVSDENDAK.I |

5. [BAH14636.1](#) Mass: 46537 Score: 73 Matches: 6(1) Sequences: 6(1) emPAI: 0.08

unnamed protein product [Homo sapiens]

☐ Check to include this hit in error tolerant search

| Query | Observed | Mr(expt) | Mr(calc) | Delta | Miss | Score | Expect | Rank | Unique | Peptide |
|---|----------|-----------|-----------|---------|------|-------|--------|------|--------|-------------------------------------|
| <input checked="" type="checkbox"/> 342 | 580.2948 | 1158.5750 | 1158.6219 | -0.0469 | 0 | 28 | 1.1 | 1 | U | K.LAVNMVFFPR.L + Oxidation (M) |
| <input checked="" type="checkbox"/> 373 | 623.2650 | 1244.5154 | 1244.5860 | -0.0706 | 0 | 34 | 0.29 | 1 | U | R.ISEQFTAMFR.R + Oxidation (M) |
| <input checked="" type="checkbox"/> 413 | 651.3254 | 1300.6362 | 1300.6299 | 0.0063 | 0 | 38 | 0.098 | 1 | U | R.ISVYYNEATGGK.Y |
| <input checked="" type="checkbox"/> 433 | 668.3216 | 1334.6286 | 1334.6904 | -0.0618 | 0 | 45 | 0.018 | 1 | U | R.IMNTFSVVPSPK.V + Oxidation (M) |
| <input checked="" type="checkbox"/> 454 | 731.8068 | 1461.5990 | 1461.6769 | -0.0779 | 0 | 22 | 2.9 | 1 | U | K.EVDEQMLNVQNK.N + Oxidation (M) |
| <input checked="" type="checkbox"/> 479 | 816.3902 | 1630.7659 | 1630.8236 | -0.0578 | 0 | 10 | 59 | 1 | U | R.AILVDLEPGTMDSVR.S + Oxidation (M) |

Proteins matching the same set of peptides:

[AAH20946.1](#) Mass: 49640 Score: 73 Matches: 6(1) Sequences: 6(1)

Tubulin, beta [Homo sapiens]

[NP_035785.1](#) Mass: 49639 Score: 73 Matches: 6(1) Sequences: 6(1)
tubulin beta-5 chain [Mus musculus]
[pir||I38369](#) Mass: 48848 Score: 73 Matches: 6(1) Sequences: 6(1)
beta-tubulin - human (fragment)
[AAB59507.1](#) Mass: 49727 Score: 73 Matches: 6(1) Sequences: 6(1)
beta-tubulin [Homo sapiens]
[BAG63652.1](#) Mass: 52015 Score: 73 Matches: 6(1) Sequences: 6(1)
unnamed protein product [Homo sapiens]
[NP_001280141.1](#) Mass: 51985 Score: 73 Matches: 6(1) Sequences: 6(1)
tubulin beta chain isoform a [Homo sapiens]

6. [NP_000414.2](#) Mass: 65393 Score: 70 Matches: 1(1) Sequences: 1(1) emPAI: 0.06
keratin, type II cytoskeletal 2 epidermal [Homo sapiens]

☐ Check to include this hit in error tolerant search

| Query | Observed | Mr(expt) | Mr(calc) | Delta | Miss | Score | Expect | Rank | Unique | Peptide |
|---|----------|-----------|-----------|---------|------|-------|---------|------|--------|------------------|
| <input checked="" type="checkbox"/> 456 | 738.3405 | 1474.6664 | 1474.7780 | -0.1116 | 0 | 70 | 5.9e-05 | 1 | | R.FLEQQNQVLQTK.W |

Proteins matching the same set of peptides:

[AAC83410.1](#) Mass: 65825 Score: 70 Matches: 1(1) Sequences: 1(1)
epidermal cytokekeratin 2 [Homo sapiens]
[XP_011536591.1](#) Mass: 34525 Score: 70 Matches: 1(1) Sequences: 1(1)
keratin, type II cytoskeletal 1b isoform X2 [Homo sapiens]
[AAI22559.1](#) Mass: 61764 Score: 70 Matches: 1(1) Sequences: 1(1)
Keratin 77 [Homo sapiens]
[CAD91892.1](#) Mass: 61763 Score: 70 Matches: 1(1) Sequences: 1(1)
keratin 1b [Homo sapiens]
[EAW96643.1](#) Mass: 61840 Score: 70 Matches: 1(1) Sequences: 1(1)
keratin 1B [Homo sapiens]
[NP_778253.2](#) Mass: 61864 Score: 70 Matches: 1(1) Sequences: 1(1)
keratin, type II cytoskeletal 1b [Homo sapiens]

7. [NP_006112.3](#) Mass: 65999 Score: 65 Matches: 3(1) Sequences: 3(1) emPAI: 0.06
keratin, type II cytoskeletal 1 [Homo sapiens]

☐ Check to include this hit in error tolerant search

| Query | Observed | Mr(expt) | Mr(calc) | Delta | Miss | Score | Expect | Rank | Unique | Peptide |
|---|----------|-----------|-----------|---------|------|-------|---------|------|--------|------------------|
| <input checked="" type="checkbox"/> 386 | 633.3139 | 1264.6133 | 1264.6299 | -0.0166 | 0 | 24 | 2.5 | 1 | U | R.TNAENEFVTIK.K |
| <input checked="" type="checkbox"/> 440 | 692.3119 | 1382.6093 | 1382.6830 | -0.0737 | 0 | 23 | 2.8 | 1 | U | K.SLNNQFASFIDK.V |
| 456 | 738.3405 | 1474.6664 | 1474.7780 | -0.1116 | 0 | 70 | 5.9e-05 | 1 | | R.FLEQQNQVLQTK.W |

Proteins matching the same set of peptides:

[BAG36698.1](#) Mass: 65980 Score: 65 Matches: 3(1) Sequences: 3(1)
unnamed protein product [Homo sapiens]
[AAG41947.1](#) Mass: 66027 Score: 65 Matches: 3(1) Sequences: 3(1)
keratin 1 [Homo sapiens]
[AFA52002.1](#) Mass: 66013 Score: 65 Matches: 3(1) Sequences: 3(1)
keratin 1 [Homo sapiens]
[AFA52003.1](#) Mass: 66029 Score: 65 Matches: 3(1) Sequences: 3(1)
keratin 1 [Homo sapiens]
[AFA52004.1](#) Mass: 65930 Score: 65 Matches: 3(1) Sequences: 3(1)
keratin 1 [Homo sapiens]
[AFA52005.1](#) Mass: 66086 Score: 65 Matches: 3(1) Sequences: 3(1)
keratin 1 [Homo sapiens]
[AFA52006.1](#) Mass: 66026 Score: 65 Matches: 3(1) Sequences: 3(1)
keratin 1 [Homo sapiens]
[AFA52007.1](#) Mass: 66071 Score: 65 Matches: 3(1) Sequences: 3(1)
keratin 1 [Homo sapiens]
[AAF60327.1](#) Mass: 65978 Score: 65 Matches: 3(1) Sequences: 3(1)
keratin 1 [Homo sapiens]

8. [NP_000412.3](#) Mass: 58766 Score: 65 Matches: 2(2) Sequences: 2(2) emPAI: 0.13
keratin, type I cytoskeletal 10 [Homo sapiens]

☐ Check to include this hit in error tolerant search

| Query | Observed | Mr(expt) | Mr(calc) | Delta | Miss | Score | Expect | Rank | Unique | Peptide |
|---|----------|-----------|-----------|---------|------|-------|--------|------|--------|------------------|
| <input checked="" type="checkbox"/> 330 | 545.7244 | 1089.4343 | 1089.5237 | -0.0893 | 0 | 41 | 0.051 | 1 | U | K.VTMQNLNDR.L |
| <input checked="" type="checkbox"/> 439 | 691.2924 | 1380.5703 | 1380.6408 | -0.0705 | 0 | 52 | 0.0039 | 1 | U | R.ALEESNYELEGK.I |

Proteins matching the same set of peptides:

[P13645.6](#) Mass: 58792 Score: 65 Matches: 2(2) Sequences: 2(2)
RecName: Full=Keratin, type I cytoskeletal 10; AltName: Full=Cytokeratin-10; Short=CK-10; AltName: Full=Keratin-10; Short=K10
[CAA32649.1](#) Mass: 59492 Score: 65 Matches: 2(2) Sequences: 2(2)
unnamed protein product [Homo sapiens]
[AAH34697.1](#) Mass: 58792 Score: 65 Matches: 2(2) Sequences: 2(2)
Keratin 10 [Homo sapiens]
[AAA60544.1](#) Mass: 57213 Score: 65 Matches: 2(2) Sequences: 2(2)
keratin 10 [Homo sapiens]
[EAW60681.1](#) Mass: 63308 Score: 65 Matches: 2(2) Sequences: 2(2)
keratin 10 (epidermolytic hyperkeratosis; keratosis palmaris et plantaris), isoform CRA_b [Homo sapiens]
[XP_005257400.1](#) Mass: 63308 Score: 65 Matches: 2(2) Sequences: 2(2)
keratin, type I cytoskeletal 10 isoform X1 [Homo sapiens]

9. [Q6PEY2.2](#) Mass: 49827 Score: 29 Matches: 1(0) Sequences: 1(0)

RecName: Full=Tubulin alpha-3E chain; AltName: Full=Alpha-tubulin 3E; Contains: RecName: Full=Detyrosinated tubulin alpha-3E cha

☐ Check to include this hit in error tolerant search

| Query | Observed | Mr(expt) | Mr(calc) | Delta | Miss | Score | Expect | Rank | Unique | Peptide |
|---|----------|-----------|-----------|---------|------|-------|--------|------|--------|----------------|
| <input checked="" type="checkbox"/> 299 | 508.2534 | 1014.4922 | 1014.5709 | -0.0787 | 0 | 29 | 0.96 | 1 | U | K.DVNAAIATIK.T |

Proteins matching the same set of peptides:

| Protein | Mass | Score | Matches | Sequences |
|---|-------|-------|---------|-----------|
| AAH11721.1 | 46083 | 29 | 1(0) | 1(0) |
| Tubulin, alpha 3c [Homo sapiens] | | | | |
| AAH21564.1 | 37194 | 29 | 1(0) | 1(0) |
| TUBA1B protein [Homo sapiens] | | | | |
| CAA25855.1 | 50126 | 29 | 1(0) | 1(0) |
| alpha-tubulin [Homo sapiens] | | | | |
| AAH33064.1 | 36625 | 29 | 1(0) | 1(0) |
| TUBA1C protein [Homo sapiens] | | | | |
| NP_033472.1 | 49928 | 29 | 1(0) | 1(0) |
| tubulin alpha-3 chain [Mus musculus] | | | | |
| AAD33872.1 | 36411 | 29 | 1(0) | 1(0) |
| alpha-tubulin, partial [Homo sapiens] | | | | |
| NP_035783.1 | 50104 | 29 | 1(0) | 1(0) |
| tubulin alpha-1A chain [Mus musculus] | | | | |
| NP_035784.1 | 50120 | 29 | 1(0) | 1(0) |
| tubulin alpha-1B chain [Mus musculus] | | | | |
| AAC39578.1 | 49797 | 29 | 1(0) | 1(0) |
| alpha tubulin, partial [Homo sapiens] | | | | |
| BAG51785.1 | 46212 | 29 | 1(0) | 1(0) |
| unnamed protein product [Homo sapiens] | | | | |
| BAG52918.1 | 46312 | 29 | 1(0) | 1(0) |
| unnamed protein product [Homo sapiens] | | | | |
| EAWS5606.1 | 49868 | 29 | 1(0) | 1(0) |
| hCG1992406, isoform CRA_a [Homo sapiens] | | | | |
| EAWS5607.1 | 42187 | 29 | 1(0) | 1(0) |
| hCG1992406, isoform CRA_b [Homo sapiens] | | | | |
| BAG56853.1 | 33399 | 29 | 1(0) | 1(0) |
| unnamed protein product [Homo sapiens] | | | | |
| AAH57810.1 | 49988 | 29 | 1(0) | 1(0) |
| Tubulin, alpha 3d [Homo sapiens] | | | | |
| BAG60966.1 | 42702 | 29 | 1(0) | 1(0) |
| unnamed protein product [Homo sapiens] | | | | |
| BAF82043.1 | 50104 | 29 | 1(0) | 1(0) |
| unnamed protein product [Homo sapiens] | | | | |
| AAA91575.1 | 38102 | 29 | 1(0) | 1(0) |
| alpha-tubulin, partial [Homo sapiens] | | | | |
| AAA91576.1 | 50120 | 29 | 1(0) | 1(0) |
| alpha-tubulin [Homo sapiens] | | | | |
| BAD96744.1 | 49791 | 29 | 1(0) | 1(0) |
| tubulin alpha 6 variant, partial [Homo sapiens] | | | | |
| NP_116093.1 | 49863 | 29 | 1(0) | 1(0) |
| tubulin alpha-1C chain isoform c [Homo sapiens] | | | | |
| NP_997195.1 | 49885 | 29 | 1(0) | 1(0) |
| tubulin alpha-3E chain [Homo sapiens] | | | | |
| NP_001257329.1 | 46268 | 29 | 1(0) | 1(0) |
| tubulin alpha-1A chain isoform 2 [Homo sapiens] | | | | |
| NP_001290043.1 | 57693 | 29 | 1(0) | 1(0) |
| tubulin alpha-1C chain isoform a [Homo sapiens] | | | | |
| NP_001290045.1 | 46028 | 29 | 1(0) | 1(0) |
| tubulin alpha-1C chain isoform b [Homo sapiens] | | | | |
| XP_004616769.1 | 46284 | 29 | 1(0) | 1(0) |
| PREDICTED: tubulin alpha-1B chain isoform X3 [Sorex araneus] | | | | |
| XP_012363749.1 | 47819 | 29 | 1(0) | 1(0) |
| PREDICTED: tubulin alpha-1A chain isoform X12 [Nomascus leucogenys] | | | | |

Peptide matches not assigned to protein hits: (no details means no match)

| Query | Observed | Mr(expt) | Mr(calc) | Delta | Miss | Score | Expect | Rank | Unique | Peptide |
|---|----------|-----------|-----------|---------|------|-------|--------|------|--------|-------------|
| <input checked="" type="checkbox"/> 164 | 421.7545 | 841.4945 | 841.5022 | -0.0077 | 0 | 36 | 0.13 | 1 | | GITLSVRP |
| <input checked="" type="checkbox"/> 249 | 453.7154 | 905.4162 | 905.4607 | -0.0445 | 0 | 34 | 0.27 | 1 | | DVEQIFR |
| <input checked="" type="checkbox"/> 186 | 428.7487 | 855.4828 | 855.5178 | -0.0350 | 0 | 29 | 0.71 | 1 | | LASIVTPR |
| <input checked="" type="checkbox"/> 162 | 421.7392 | 841.4639 | 841.5022 | -0.0383 | 0 | 24 | 1.9 | 1 | | GITLSVRP |
| <input checked="" type="checkbox"/> 156 | 421.7338 | 841.4531 | 841.5022 | -0.0491 | 0 | 24 | 1.9 | 1 | | GITLSVRP |
| <input checked="" type="checkbox"/> 160 | 421.7378 | 841.4611 | 841.5022 | -0.0411 | 0 | 24 | 2.2 | 1 | | GITLSVRP |
| <input checked="" type="checkbox"/> 182 | 428.7422 | 855.4699 | 855.5178 | -0.0479 | 0 | 24 | 2.3 | 1 | | LASIVTPR |
| <input checked="" type="checkbox"/> 185 | 428.7474 | 855.4802 | 855.5178 | -0.0376 | 0 | 24 | 2.4 | 1 | | LASIVTPR |
| <input checked="" type="checkbox"/> 157 | 421.7367 | 841.4588 | 841.5022 | -0.0433 | 0 | 23 | 2.3 | 1 | | GITLSVRP |
| <input checked="" type="checkbox"/> 159 | 421.7376 | 841.4607 | 841.5022 | -0.0414 | 0 | 23 | 2.4 | 1 | | GITLSVRP |
| <input checked="" type="checkbox"/> 187 | 428.7513 | 855.4881 | 855.5178 | -0.0296 | 0 | 19 | 6.8 | 1 | | LSIIPASR |
| <input checked="" type="checkbox"/> 380 | 420.2127 | 1257.6163 | 1257.6201 | -0.0037 | 0 | 19 | 9.4 | 1 | | AEAGLETSPVR |
| <input checked="" type="checkbox"/> 312 | 523.2616 | 1044.5087 | 1044.5564 | -0.0477 | 0 | 19 | 9.3 | 1 | | LSSDGLQVAR |
| <input checked="" type="checkbox"/> 161 | 421.7384 | 841.4623 | 841.5022 | -0.0399 | 0 | 18 | 7.6 | 1 | | GITLSVRP |
| <input checked="" type="checkbox"/> 183 | 428.7440 | 855.4735 | 855.5429 | -0.0694 | 0 | 18 | 8.1 | 1 | | LVLSSLPK |
| <input checked="" type="checkbox"/> 306 | 523.2526 | 1044.4907 | 1044.5564 | -0.0656 | 0 | 18 | 11 | 1 | | LSSDGLQVAR |
| <input checked="" type="checkbox"/> 132 | 414.1703 | 826.3261 | 826.4409 | -0.1149 | 1 | 18 | 6.7 | 1 | | VRPGEQGG |
| <input checked="" type="checkbox"/> 114 | 409.2251 | 816.4357 | 816.4593 | -0.0236 | 0 | 17 | 12 | 1 | | DLESIIK |
| <input checked="" type="checkbox"/> 163 | 421.7402 | 841.4658 | 841.5022 | -0.0363 | 0 | 17 | 11 | 1 | | GITLSVRP |
| <input checked="" type="checkbox"/> 315 | 523.2650 | 1044.5155 | 1044.5716 | -0.0561 | 0 | 17 | 14 | 1 | | LSSAHVYLR |
| <input checked="" type="checkbox"/> 201 | 435.7468 | 869.4790 | 869.4971 | -0.0181 | 0 | 17 | 11 | 1 | | VVDVSVPR |

| | | | | | | | | | | |
|-------------------------------------|---------------------|----------|-----------|-----------|---------|---|----|---------|---|--|
| <input checked="" type="checkbox"/> | 307 | 523.2528 | 1044.4910 | 1044.6583 | -0.1673 | 0 | 17 | 15 | 1 | LTTFLPIK |
| <input checked="" type="checkbox"/> | 539 | 737.6635 | 2209.9686 | 2210.1041 | -0.1356 | 0 | 16 | 9.2 | 1 | FAALLFMDGTVVNSIAAAER |
| <input checked="" type="checkbox"/> | 366 | 413.1809 | 1236.5209 | 1236.6826 | -0.1618 | 0 | 16 | 14 | 1 | IGALVTNGDHHK |
| <input checked="" type="checkbox"/> | 208 | 435.7573 | 869.5001 | 869.4971 | 0.0030 | 0 | 16 | 14 | 1 | VVDVSVPR |
| <input checked="" type="checkbox"/> | 158 | 421.7374 | 841.4602 | 841.4657 | -0.0056 | 0 | 16 | 14 | 1 | VAAEPLSR |
| <input checked="" type="checkbox"/> | 135 | 415.5859 | 829.1573 | 829.3355 | -0.1782 | 0 | 16 | 0.33 | 1 | QSHWDG |
| <input checked="" type="checkbox"/> | 420 | 656.7870 | 1311.5594 | 1311.6897 | -0.1303 | 1 | 15 | 15 | 1 | MLFEGKEFLAK |
| <input checked="" type="checkbox"/> | 436 | 672.1348 | 1342.6551 | 1342.7820 | -0.1269 | 1 | 15 | 17 | 1 | SLALRSELLVDK |
| <input checked="" type="checkbox"/> | 309 | 523.2575 | 1044.5005 | 1044.5564 | -0.0559 | 0 | 15 | 20 | 1 | LSSDGLQVAR |
| <input checked="" type="checkbox"/> | 155 | 421.2112 | 840.4078 | 840.5797 | -0.1719 | 1 | 15 | 13 | 1 | AAKVILK |
| <input checked="" type="checkbox"/> | 316 | 523.2662 | 1044.5179 | 1044.6179 | -0.1000 | 0 | 15 | 23 | 1 | ILAINSSSLK |
| <input checked="" type="checkbox"/> | 308 | 523.2554 | 1044.4963 | 1044.5703 | -0.0739 | 0 | 14 | 25 | 1 | LSEDIDLLK |
| <input checked="" type="checkbox"/> | 311 | 523.2596 | 1044.5047 | 1044.6179 | -0.1131 | 0 | 14 | 27 | 1 | ILAINSSSLK |
| <input checked="" type="checkbox"/> | 317 | 523.2664 | 1044.5182 | 1044.6179 | -0.0997 | 0 | 14 | 27 | 1 | ILAINSSSLK |
| <input checked="" type="checkbox"/> | 367 | 413.1929 | 1236.5570 | 1236.6251 | -0.0681 | 1 | 14 | 23 | 1 | LGGGETWFRSK |
| <input checked="" type="checkbox"/> | 270 | 469.2726 | 936.5307 | 936.4553 | 0.0754 | 0 | 14 | 29 | 1 | AVALNTDFS |
| <input checked="" type="checkbox"/> | 88 | 400.2029 | 798.3913 | 798.4824 | -0.0911 | 1 | 14 | 16 | 1 | RGALLGGR |
| <input checked="" type="checkbox"/> | 385 | 421.2000 | 1260.5782 | 1260.7516 | -0.1734 | 0 | 13 | 47 | 1 | MAVFVLLALVA + Oxidation (M) |
| <input checked="" type="checkbox"/> | 184 | 428.7463 | 855.4780 | 855.5178 | -0.0398 | 0 | 13 | 28 | 1 | LASIVTPR |
| <input checked="" type="checkbox"/> | 144 | 419.2925 | 836.5705 | 836.3884 | 0.1821 | 0 | 12 | 20 | 1 | DMLMGVR + Oxidation (M) |
| <input checked="" type="checkbox"/> | 314 | 523.2638 | 1044.5130 | 1044.6179 | -0.1049 | 0 | 12 | 45 | 1 | ILAINSSSLK |
| <input checked="" type="checkbox"/> | 313 | 523.2630 | 1044.5114 | 1044.6583 | -0.1469 | 0 | 12 | 45 | 1 | LTTFLPIK |
| <input checked="" type="checkbox"/> | 461 | 505.9114 | 1514.7125 | 1514.8093 | -0.0968 | 1 | 12 | 42 | 1 | LARFVAGGPELEK |
| <input checked="" type="checkbox"/> | 242 | 450.2625 | 898.5104 | 898.3814 | 0.1290 | 1 | 11 | 41 | 1 | TCSSRSTAS |
| <input checked="" type="checkbox"/> | 202 | 435.7494 | 869.4842 | 869.4429 | 0.0413 | 0 | 11 | 37 | 1 | TPCPSLPR |
| <input checked="" type="checkbox"/> | 344 | 585.2818 | 1168.5490 | 1168.6023 | -0.0532 | 1 | 11 | 58 | 1 | LTPTHGEMRK |
| <input checked="" type="checkbox"/> | 203 | 435.7521 | 869.4897 | 869.5222 | -0.0325 | 0 | 11 | 39 | 1 | VVPESLVK |
| <input checked="" type="checkbox"/> | 141 | 419.2916 | 836.5687 | 836.3884 | 0.1802 | 0 | 11 | 30 | 1 | DMLMGVR + Oxidation (M) |
| <input checked="" type="checkbox"/> | 181 | 428.7398 | 855.4650 | 855.5178 | -0.0527 | 0 | 11 | 44 | 1 | LSIIPASR |
| <input checked="" type="checkbox"/> | 213 | 437.2396 | 872.4647 | 872.4603 | 0.0043 | 0 | 11 | 68 | 1 | VAEGQELK |
| <input checked="" type="checkbox"/> | 310 | 523.2579 | 1044.5013 | 1044.5273 | -0.0261 | 1 | 11 | 56 | 1 | EMAKASAPQL |
| <input checked="" type="checkbox"/> | 152 | 420.3000 | 838.5854 | 838.4436 | 0.1418 | 0 | 11 | 29 | 1 | GTLVTVYS |
| <input checked="" type="checkbox"/> | 205 | 435.7530 | 869.4914 | 869.4494 | 0.0420 | 0 | 11 | 45 | 1 | EPTPTTPK |
| <input checked="" type="checkbox"/> | 128 | 412.7304 | 823.4463 | 823.3898 | 0.0565 | 0 | 11 | 37 | 1 | MGWISSK + Oxidation (M) |
| <input checked="" type="checkbox"/> | 207 | 435.7548 | 869.4950 | 869.4971 | -0.0021 | 0 | 11 | 45 | 1 | VVDVSVPR |
| <input checked="" type="checkbox"/> | 154 | 421.2000 | 840.3854 | 840.5797 | -0.1942 | 1 | 11 | 38 | 1 | AAKVILK |
| <input checked="" type="checkbox"/> | 357 | 408.2870 | 1221.8392 | 1221.7193 | 0.1199 | 1 | 11 | 16 | 1 | LNPKTINPGLR |
| <input checked="" type="checkbox"/> | 126 | 412.7233 | 823.4321 | 823.4664 | -0.0343 | 1 | 10 | 39 | 1 | VAPPERR |
| <input checked="" type="checkbox"/> | 292 | 493.2561 | 984.4975 | 984.5063 | -0.0087 | 0 | 10 | 60 | 1 | SVCPVDLPR |
| <input checked="" type="checkbox"/> | 192 | 432.2059 | 862.3973 | 862.4331 | -0.0358 | 1 | 10 | 65 | 1 | QQKMGGK + Oxidation (M) |
| <input checked="" type="checkbox"/> | 210 | 437.1848 | 872.3550 | 872.5266 | -0.1716 | 1 | 10 | 81 | 1 | KLGCLLAR |
| <input checked="" type="checkbox"/> | 216 | 439.1788 | 876.3430 | 876.5320 | -0.1891 | 0 | 10 | 80 | 1 | LILEYVK |
| <input checked="" type="checkbox"/> | 222 | 441.2969 | 880.5792 | 880.4510 | 0.1282 | 1 | 9 | 56 | 1 | MQKMLSK + Oxidation (M) |
| <input checked="" type="checkbox"/> | 320 | 526.2169 | 1050.4192 | 1050.4618 | -0.0426 | 0 | 9 | 97 | 1 | DEETENFR |
| <input checked="" type="checkbox"/> | 355 | 407.8658 | 1220.5756 | 1220.6401 | -0.0645 | 1 | 9 | 1.1e+02 | 1 | LQSGGIEDFKK |
| <input checked="" type="checkbox"/> | 220 | 441.2606 | 880.5067 | 880.4654 | 0.0413 | 0 | 9 | 66 | 1 | TQAGTYLK |
| <input checked="" type="checkbox"/> | 275 | 475.3757 | 948.7369 | 948.5756 | 0.1613 | 1 | 9 | 12 | 1 | ALLSKYVR |
| <input checked="" type="checkbox"/> | 291 | 491.3096 | 980.6047 | 980.5039 | 0.1008 | 1 | 9 | 72 | 1 | EPAGHSQKK |
| <input checked="" type="checkbox"/> | 214 | 437.3000 | 872.5854 | 872.4716 | 0.1139 | 1 | 9 | 1e+02 | 1 | KQQDVQK |
| <input checked="" type="checkbox"/> | 92 | 402.3000 | 802.5854 | 802.4297 | 0.1557 | 0 | 9 | 63 | 1 | GSGETTRPK |
| <input checked="" type="checkbox"/> | 254 | 459.2343 | 916.4541 | 916.5164 | -0.0623 | 0 | 9 | 1.1e+02 | 1 | MLVSIQAR |
| <input checked="" type="checkbox"/> | 111 | 409.1532 | 816.2918 | 816.4817 | -0.1900 | 1 | 9 | 87 | 1 | GIKSSIGR |
| <input checked="" type="checkbox"/> | 304 | 519.2876 | 1036.5606 | 1036.5852 | -0.0246 | 1 | 8 | 95 | 1 | LQGKVPMHK |
| <input checked="" type="checkbox"/> | 226 | 444.1952 | 886.3759 | 886.4872 | -0.1113 | 0 | 8 | 1.4e+02 | 1 | VQLTSPSR |
| <input checked="" type="checkbox"/> | 329 | 545.3000 | 1088.5854 | 1088.5614 | 0.0240 | 1 | 8 | 1.1e+02 | 1 | KQWVDQSAK |
| <input checked="" type="checkbox"/> | 231 | 445.1245 | 888.2345 | 888.3937 | -0.1592 | 0 | 8 | 33 | 1 | GDSGQPSNK |
| <input checked="" type="checkbox"/> | 113 | 409.1945 | 816.3744 | 816.5221 | -0.1478 | 1 | 8 | 1e+02 | 1 | KPVKAFK |
| <input checked="" type="checkbox"/> | 256 | 459.2382 | 916.4618 | 916.4767 | -0.0148 | 0 | 8 | 1.2e+02 | 1 | FNHTAISK |
| <input checked="" type="checkbox"/> | 229 | 445.1093 | 888.2041 | 888.3937 | -0.1896 | 0 | 8 | 10 | 1 | GDSGQPSNK |
| <input checked="" type="checkbox"/> | 175 | 424.2888 | 846.5631 | 846.3905 | 0.1726 | 0 | 8 | 1.2e+02 | 1 | CEPETLR |
| <input checked="" type="checkbox"/> | 91 | 402.1827 | 802.3508 | 802.4297 | -0.0789 | 1 | 8 | 1e+02 | 1 | KTGNQQK |
| <input checked="" type="checkbox"/> | 290 | 489.3559 | 976.6973 | 976.5342 | 0.1632 | 0 | 7 | 72 | 1 | IHSLPPEGK |
| <input checked="" type="checkbox"/> | 109 | 408.2898 | 814.5650 | 814.4912 | 0.0738 | 1 | 7 | 87 | 1 | ATVTKAPK |
| <input checked="" type="checkbox"/> | 108 | 408.2845 | 814.5544 | 814.4912 | 0.0632 | 1 | 7 | 89 | 1 | ATVTKAPK |
| <input checked="" type="checkbox"/> | 179 | 427.2031 | 852.3917 | 852.4271 | -0.0354 | 0 | 7 | 86 | 1 | LAIMMMK + Oxidation (M) |
| <input checked="" type="checkbox"/> | 531 | 509.2659 | 2033.0344 | 2033.0847 | -0.0503 | 0 | 7 | 81 | 1 | ALVETVTAPGFHHPIFAAR |
| <input checked="" type="checkbox"/> | 301 | 517.2901 | 1032.5657 | 1032.5638 | 0.0019 | 0 | 7 | 1.4e+02 | 1 | LMTGAGNILK + Oxidation (M) |
| <input checked="" type="checkbox"/> | 206 | 435.7543 | 869.4940 | 869.4607 | 0.0333 | 0 | 7 | 1e+02 | 1 | VHLSSEAK |
| <input checked="" type="checkbox"/> | 287 | 487.2530 | 972.4914 | 972.5253 | -0.0339 | 1 | 7 | 1.5e+02 | 1 | RNGVSWVR |
| <input checked="" type="checkbox"/> | 200 | 435.3278 | 868.6410 | 868.5607 | 0.0804 | 1 | 7 | 52 | 1 | LVRLNVR |
| <input checked="" type="checkbox"/> | 435 | 670.2928 | 1338.5710 | 1338.6285 | -0.0575 | 1 | 7 | 1.2e+02 | 1 | MPHSHCSLAKR + Carbamidomethyl (C); Oxidation (M) |
| <input checked="" type="checkbox"/> | 148 | 419.3000 | 836.5854 | 836.3884 | 0.1970 | 0 | 7 | 68 | 1 | DMLMGVR + Oxidation (M) |
| <input checked="" type="checkbox"/> | 502 | 449.2026 | 1792.7814 | 1792.8699 | -0.0885 | 1 | 7 | 1e+02 | 1 | QLDKMVLIEDNCSLTK + Carbamidomethyl (C) |
| <input checked="" type="checkbox"/> | 237 | 447.3204 | 892.6263 | 892.4807 | 0.1456 | 1 | 7 | 93 | 1 | FWIDKGG |
| <input checked="" type="checkbox"/> | 197 | 433.3131 | 864.6117 | 864.4375 | 0.1743 | 1 | 7 | 93 | 1 | MATAAKEK + Oxidation (M) |
| <input checked="" type="checkbox"/> | 243 | 451.1829 | 900.3512 | 900.2888 | 0.0624 | 0 | 7 | 1.6e+02 | 1 | QMSCCDGR + Carbamidomethyl (C); Oxidation (M) |
| <input checked="" type="checkbox"/> | 188 | 429.1000 | 856.1854 | 856.3787 | -0.1933 | 0 | 6 | 10 | 1 | NETNHSR |
| <input checked="" type="checkbox"/> | 89 | 400.2324 | 798.4502 | 798.3000 | 0.1501 | 0 | 6 | 83 | 1 | MDSMGSR + Oxidation (M) |
| <input checked="" type="checkbox"/> | 224 | 442.3004 | 882.5862 | 882.4671 | 0.1191 | 1 | 6 | 1.5e+02 | 1 | GSKEGLHR |
| <input checked="" type="checkbox"/> | 170 | 424.2621 | 846.5097 | 846.3719 | 0.1378 | 0 | 6 | 1.7e+02 | 1 | EAEDVER |
| <input checked="" type="checkbox"/> | 174 | 424.2791 | 846.5436 | 846.4382 | 0.1054 | 0 | 6 | 1.7e+02 | 1 | VATAQMAR |
| <input checked="" type="checkbox"/> | 390 | 424.2794 | 1269.8165 | 1269.6929 | 0.1237 | 1 | 6 | 97 | 1 | VEIERTVAAPSV |
| <input checked="" type="checkbox"/> | 332 | 552.2359 | 1102.4573 | 1102.4172 | 0.0401 | 0 | 6 | 2.5e+02 | 1 | NFASCMGDSR + Oxidation (M) |
| <input checked="" type="checkbox"/> | 253 | 459.2327 | 916.4508 | 916.5164 | -0.0656 | 0 | 6 | 2e+02 | 1 | AIIMAVQR + Oxidation (M) |
| <input checked="" type="checkbox"/> | 204 | 435.7522 | 869.4899 | 869.4971 | -0.0072 | 0 | 6 | 1.4e+02 | 1 | VVDVSVPR |
| <input checked="" type="checkbox"/> | 346 | 593.2000 | 1184.3854 | 1184.5067 | -0.1212 | 0 | 6 | 1.1e+02 | 1 | GSQFGQSCCLR |

| | | | | | | | | | |
|-----|----------|-----------|-----------|---------|---|---|---------|---|---|
| 504 | 897.8746 | 1793.7346 | 1793.8843 | -0.1496 | 1 | 6 | 1.1e+02 | 1 | MQQTILGASQGGLSYPRR + Oxidation (M) |
| 489 | 425.2052 | 1696.7918 | 1696.7078 | 0.0840 | 0 | 5 | 1.4e+02 | 1 | GDDSNNGYDGIWGGQTR |
| 145 | 419.2931 | 836.5716 | 836.3923 | 0.1794 | 1 | 5 | 1e+02 | 1 | MGRSSQR + Oxidation (M) |
| 104 | 407.1792 | 812.3439 | 812.5120 | -0.1681 | 1 | 5 | 1e+02 | 1 | NIPKLTK |
| 199 | 435.3109 | 868.6072 | 868.4079 | 0.1993 | 0 | 5 | 1e+02 | 1 | VFEGDFR |
| 127 | 412.7280 | 823.4414 | 823.5280 | -0.0866 | 0 | 5 | 1.3e+02 | 1 | VVLPLQR |
| 381 | 420.3000 | 1257.8782 | 1257.6929 | 0.1853 | 0 | 5 | 75 | 1 | VTAVDGISLDIR |
| 289 | 488.2578 | 974.5010 | 974.4781 | 0.0229 | 1 | 5 | 2.3e+02 | 1 | AAEGESRQK |
| 335 | 552.3042 | 1102.5938 | 1102.6386 | -0.0448 | 1 | 5 | 3e+02 | 1 | FTTPTATIKK |
| 537 | 537.2643 | 2145.0281 | 2145.0854 | -0.0573 | 1 | 5 | 1.3e+02 | 1 | SYTLNGTKTWITNSLAYGR |
| 532 | 515.2615 | 2057.0169 | 2057.0905 | -0.0736 | 1 | 5 | 1.4e+02 | 1 | FIANSQPEIRLTSSLPR |
| 195 | 433.1925 | 864.3704 | 864.4341 | -0.0638 | 1 | 5 | 2e+02 | 1 | VEGKTNAF |
| 93 | 402.3000 | 802.5854 | 802.4661 | 0.1194 | 1 | 5 | 1.6e+02 | 1 | RVLSSGGK |
| 180 | 427.2164 | 852.4183 | 852.4453 | -0.0270 | 0 | 5 | 1.6e+02 | 1 | LDALHR |
| 190 | 430.2354 | 858.4563 | 858.4559 | 0.0004 | 0 | 5 | 2.8e+02 | 1 | AVAELSNR |
| 525 | 499.2451 | 1992.9513 | 1993.1207 | -0.1694 | 1 | 5 | 1.6e+02 | 1 | ILNLEIADRTPEQLLQK |
| 286 | 487.2483 | 972.4821 | 972.5716 | -0.0895 | 1 | 5 | 2.5e+02 | 1 | LIATGRTNK |
| 79 | 631.2000 | 630.1927 | 630.3337 | -0.1410 | 0 | 5 | 8.3 | 1 | GATPGTK |
| 211 | 437.2232 | 872.4318 | 872.5080 | -0.0762 | 0 | 4 | 3e+02 | 1 | TGSLLGAGR |
| 353 | 406.2591 | 1215.7554 | 1215.6183 | 0.1371 | 1 | 4 | 2.1e+02 | 1 | HTQGRLPGEK + Carbamidomethyl (C) |
| 517 | 477.2332 | 1904.9036 | 1904.9315 | -0.0279 | 1 | 4 | 1.9e+02 | 1 | YQACRFGGVDPDPAGLR |
| 356 | 408.2848 | 1221.8325 | 1221.6717 | 0.1608 | 1 | 4 | 83 | 1 | ARIEDVPPPTK |
| 247 | 453.2292 | 904.4438 | 904.5238 | -0.0800 | 0 | 4 | 2.8e+02 | 1 | MLMLILR + Oxidation (M) |
| 244 | 451.2203 | 900.4260 | 900.4487 | -0.0227 | 0 | 4 | 2.8e+02 | 1 | TIMHVR + Oxidation (M) |
| 218 | 441.2347 | 880.4548 | 880.3926 | 0.0622 | 0 | 4 | 2.2e+02 | 1 | EYEIDGR |
| 232 | 445.1926 | 888.3707 | 888.4123 | -0.0417 | 0 | 4 | 3.3e+02 | 1 | MQEVPNR + Oxidation (M) |
| 112 | 409.1620 | 816.3094 | 816.4341 | -0.1247 | 0 | 4 | 2.6e+02 | 1 | SQEVNNAK |
| 147 | 419.3000 | 836.5854 | 836.4868 | 0.0986 | 0 | 4 | 1.3e+02 | 1 | APQPVVAR |
| 331 | 547.2745 | 1092.5345 | 1092.5564 | -0.0218 | 0 | 4 | 2.6e+02 | 1 | FGGTSVADIAR |
| 297 | 502.7738 | 1003.5331 | 1003.5233 | 0.0098 | 1 | 4 | 3.2e+02 | 1 | CQLQXATR + Carbamidomethyl (C) |
| 176 | 425.1932 | 848.3718 | 848.4352 | -0.0634 | 1 | 4 | 2.6e+02 | 1 | EAATKSSR |
| 149 | 419.3006 | 836.5867 | 836.4868 | 0.0998 | 0 | 4 | 1.4e+02 | 1 | APQPVVAR |
| 257 | 459.2436 | 916.4727 | 916.4436 | 0.0291 | 0 | 4 | 3.3e+02 | 1 | SQPQGLGK |
| 478 | 408.2865 | 1629.1167 | 1628.9250 | 0.1917 | 1 | 4 | 16 | 1 | FAELLDRLVLTPSR |
| 142 | 419.2924 | 836.5702 | 836.4868 | 0.0834 | 0 | 4 | 1.6e+02 | 1 | APQPVVAR |
| 118 | 411.1516 | 820.2886 | 820.3861 | -0.0975 | 0 | 4 | 2.1e+02 | 1 | NGLSMGR |
| 139 | 419.2884 | 836.5623 | 836.3923 | 0.1700 | 1 | 3 | 1.7e+02 | 1 | MGRSSQR + Oxidation (M) |
| 146 | 419.2934 | 836.5723 | 836.3923 | 0.1800 | 1 | 3 | 1.6e+02 | 1 | MGRSSQR + Oxidation (M) |
| 143 | 419.2925 | 836.5705 | 836.4868 | 0.0837 | 0 | 3 | 1.6e+02 | 1 | APQPVVAR |
| 228 | 445.1015 | 888.1884 | 888.3825 | -0.1941 | 0 | 3 | 18 | 1 | GDQEEPSK |
| 123 | 411.3000 | 820.5854 | 820.3861 | 0.1993 | 1 | 3 | 1.7e+02 | 1 | GARQDMK + Oxidation (M) |
| 271 | 471.2000 | 940.3854 | 940.4866 | -0.1011 | 0 | 3 | 2.5e+02 | 1 | EDLVSPFGK |
| 151 | 420.2951 | 838.5757 | 838.4773 | 0.0984 | 1 | 3 | 1.7e+02 | 1 | APRVGSPR |
| 298 | 503.2550 | 1004.4954 | 1004.5576 | -0.0622 | 0 | 3 | 3.3e+02 | 1 | LITVTAMEK |
| 125 | 412.7033 | 823.3921 | 823.4916 | -0.0995 | 0 | 3 | 2e+02 | 1 | IPGTAPLR |
| 194 | 433.1890 | 864.3634 | 864.4561 | -0.0927 | 1 | 3 | 3e+02 | 1 | LLNKMCK + Oxidation (M) |
| 230 | 445.1163 | 888.2180 | 888.3937 | -0.1757 | 0 | 3 | 52 | 1 | GDSGQPSNK |
| 412 | 433.2174 | 1296.6304 | 1296.7085 | -0.0781 | 1 | 3 | 3.2e+02 | 1 | LLGCGRALGAPGR + Carbamidomethyl (C) |
| 209 | 436.2506 | 870.4866 | 870.4559 | 0.0307 | 0 | 3 | 3.2e+02 | 1 | SAPGSTPVR |
| 150 | 420.2874 | 838.5602 | 838.4773 | 0.0829 | 1 | 3 | 2e+02 | 1 | PARTAPAR |
| 432 | 445.2000 | 1332.5782 | 1332.6285 | -0.0503 | 1 | 3 | 3.1e+02 | 1 | RTTSTCGFFWK |
| 337 | 553.3210 | 1104.6274 | 1104.5855 | 0.0419 | 0 | 3 | 3.5e+02 | 1 | LAFLYTSYK |
| 140 | 419.2912 | 836.5679 | 836.3923 | 0.1756 | 1 | 3 | 1.9e+02 | 1 | MGRSSQR + Oxidation (M) |
| 284 | 484.3960 | 966.7774 | 966.6226 | 0.1548 | 1 | 3 | 15 | 1 | LGALGLAPKK |
| 444 | 702.3703 | 1402.7260 | 1402.6155 | 0.1104 | 1 | 3 | 3.1e+02 | 1 | MNARTYMDVMR + Oxidation (M) |
| 293 | 494.2667 | 986.5188 | 986.3990 | 0.1198 | 0 | 3 | 3.8e+02 | 1 | CCPYGYPK + Carbamidomethyl (C) |
| 377 | 419.3054 | 1254.8942 | 1254.7044 | 0.1898 | 1 | 3 | 76 | 1 | GQATAAATAPRIK |
| 387 | 633.4339 | 1264.8533 | 1264.6696 | 0.1837 | 1 | 3 | 96 | 1 | KEMSSIISLNK + Oxidation (M) |
| 384 | 631.2000 | 1260.3854 | 1260.5557 | -0.1703 | 1 | 3 | 2.2e+02 | 1 | RMDGSDVDFYR + Oxidation (M) |
| 173 | 424.2736 | 846.5327 | 846.4092 | 0.1235 | 1 | 3 | 3.7e+02 | 1 | QCFFPMKK + Oxidation (M) |
| 446 | 471.2000 | 1410.5782 | 1410.6424 | -0.0643 | 0 | 3 | 2.4e+02 | 1 | YAMTVWCQAPGK + Carbamidomethyl (C) |
| 97 | 405.1669 | 808.3192 | 808.3616 | -0.0424 | 0 | 3 | 2.1e+02 | 1 | GGNYGWR |
| 550 | 815.1613 | 3256.6159 | 3256.5482 | 0.0677 | 1 | 2 | 1.4e+02 | 1 | EKPMWLHKWQPCMYISFLDMALFNR + Oxidation (M) |
| 130 | 413.2245 | 824.4344 | 824.3408 | 0.0936 | 0 | 2 | 2.3e+02 | 1 | DLLSCSM + Carbamidomethyl (C) |
| 98 | 405.1869 | 808.3593 | 808.3935 | -0.0342 | 1 | 2 | 2.2e+02 | 1 | IMKNCGK + Oxidation (M) |
| 480 | 545.3000 | 1632.8782 | 1632.8545 | 0.0237 | 0 | 2 | 3.3e+02 | 1 | MLGSAPPETVNNLLK |
| 252 | 455.2457 | 908.4769 | 908.4790 | -0.0021 | 1 | 2 | 3.7e+02 | 1 | MPKVQYK + Oxidation (M) |
| 235 | 445.3149 | 888.6153 | 888.4818 | 0.1335 | 1 | 2 | 4.4e+02 | 1 | DPRGFAVK |
| 530 | 509.2539 | 2032.9865 | 2033.0905 | -0.1040 | 1 | 2 | 2.6e+02 | 1 | ALGAQKEAISFPDAAASAPLR |
| 551 | 817.1543 | 3264.5882 | 3264.5213 | 0.0669 | 1 | 2 | 1.9e+02 | 1 | GSQCQEDRIPQILNMASELEFNLETMR + Oxidation (M) |
| 359 | 408.2957 | 1221.8652 | 1221.6717 | 0.1935 | 1 | 2 | 61 | 1 | ARIEDVPPPTK |
| 121 | 411.2005 | 820.3864 | 820.4443 | -0.0579 | 0 | 2 | 3.1e+02 | 1 | EVLAAYR |
| 324 | 535.3000 | 1068.5854 | 1068.5426 | 0.0428 | 0 | 2 | 3.8e+02 | 1 | MTHFVPPPK + Oxidation (M) |
| 236 | 447.1694 | 892.3243 | 892.4212 | -0.0968 | 0 | 2 | 4.2e+02 | 1 | EDMLELK + Oxidation (M) |
| 516 | 631.2000 | 1890.5782 | 1890.7730 | -0.1948 | 1 | 2 | 14 | 1 | DELQYRDGEEYEWK + Carbamidomethyl (C) |
| 383 | 630.2000 | 1258.3854 | 1258.5836 | -0.1982 | 1 | 2 | 86 | 1 | CPFNASGSASRR + Carbamidomethyl (C) |
| 138 | 419.2785 | 836.5425 | 836.3884 | 0.1540 | 0 | 2 | 2.8e+02 | 1 | DLMLGVR + Oxidation (M) |
| 105 | 407.1857 | 812.3569 | 812.4980 | -0.1412 | 1 | 2 | 2.6e+02 | 1 | ARVRSK |
| 227 | 445.1000 | 888.1854 | 888.3760 | -0.1905 | 0 | 2 | 23 | 1 | DGAPGAMDR |
| 518 | 477.2446 | 1904.9494 | 1904.8363 | 0.1131 | 0 | 2 | 3.6e+02 | 1 | LSSDDTAVYYCAAWQR + Carbamidomethyl (C) |
| 153 | 420.3070 | 838.5994 | 838.4773 | 0.1221 | 1 | 2 | 2.2e+02 | 1 | PARTAPAR |
| 212 | 437.2287 | 872.4429 | 872.3851 | 0.0579 | 0 | 2 | 5.9e+02 | 1 | EVLHCSV |
| 119 | 411.1819 | 820.3493 | 820.3749 | -0.0256 | 0 | 1 | 3.5e+02 | 1 | ACDTGLNK |
| 503 | 449.2303 | 1792.8920 | 1792.7760 | 0.1160 | 0 | 1 | 3.8e+02 | 1 | MNSLGTEDTAVFYCAR + Oxidation (M) |
| 239 | 449.2000 | 896.3854 | 896.5807 | -0.1953 | 1 | 1 | 4.1e+02 | 1 | IAKVPIR |

| | | | | | | | | | | |
|-------------------------------------|---------------------|----------|-----------|-----------|---------|---|---|---------|---|---|
| <input checked="" type="checkbox"/> | 529 | 505.2559 | 2016.9945 | 2016.8391 | 0.1554 | 1 | 1 | 3.4e+02 | 1 | DMGRGGHESGSHPAG_CPHR + Carbamidomethyl (C); Oxidat: |
| <input checked="" type="checkbox"/> | 295 | 499.3000 | 996.5854 | 996.5604 | 0.0251 | 1 | 1 | 4.5e+02 | 1 | QLPSAEPKK |
| <input checked="" type="checkbox"/> | 527 | 667.1135 | 1998.3188 | 1998.1262 | 0.1926 | 1 | 1 | 13 | 1 | NEPALVPPILPPVTERR |
| <input checked="" type="checkbox"/> | 272 | 472.2000 | 942.3854 | 942.5433 | -0.1578 | 1 | 1 | 4.5e+02 | 1 | ALAPRLMR + Oxidation (M) |
| <input checked="" type="checkbox"/> | 421 | 657.4000 | 1312.7854 | 1312.7900 | -0.0046 | 1 | 1 | 4.2e+02 | 1 | LKPLKS_CLNK + Carbamidomethyl (C) |
| <input checked="" type="checkbox"/> | 273 | 472.2695 | 942.5244 | 942.4415 | 0.0828 | 1 | 1 | 4.9e+02 | 1 | CTYGKCR |
| <input checked="" type="checkbox"/> | 276 | 477.2350 | 952.4554 | 952.4726 | -0.0172 | 1 | 1 | 4.7e+02 | 1 | YSQKSQGR |
| <input checked="" type="checkbox"/> | 177 | 426.2045 | 850.3945 | 850.4218 | -0.0273 | 0 | 1 | 4.4e+02 | 1 | LLSMTDR + Oxidation (M) |
| <input checked="" type="checkbox"/> | 178 | 426.2681 | 850.5216 | 850.4120 | 0.1096 | 0 | 1 | 4.5e+02 | 1 | GFIQACR + Carbamidomethyl (C) |
| <input checked="" type="checkbox"/> | 481 | 549.2728 | 1644.7965 | 1644.7236 | 0.0730 | 0 | 1 | 5.3e+02 | 1 | DNSQNMLYLQ_MTR + 2 Oxidation (M) |
| <input checked="" type="checkbox"/> | 499 | 445.3000 | 1777.1709 | 1776.9743 | 0.1966 | 1 | 1 | 37 | 1 | VMPCLAPIAAKVGSGVGHK |
| <input checked="" type="checkbox"/> | 101 | 406.2091 | 810.4036 | 810.4058 | -0.0022 | 0 | 1 | 2.6e+02 | 1 | MGIVYGR + Oxidation (M) |
| <input checked="" type="checkbox"/> | 241 | 450.2327 | 898.4509 | 898.4409 | 0.0100 | 0 | 1 | 4.8e+02 | 1 | QAPWAGNR |
| <input checked="" type="checkbox"/> | 261 | 467.2434 | 932.4722 | 932.4352 | 0.0370 | 0 | 1 | 6.2e+02 | 1 | AAPEDFAGR |
| <input checked="" type="checkbox"/> | 107 | 408.2817 | 814.5488 | 814.4185 | 0.1303 | 1 | 1 | 4.4e+02 | 1 | DKEAPQK |
| <input checked="" type="checkbox"/> | 459 | 499.3000 | 1494.8782 | 1494.8783 | -0.0001 | 1 | 0 | 4.1e+02 | 1 | HHILNVKSGILHK |
| <input checked="" type="checkbox"/> | 300 | 509.4000 | 1016.7854 | 1016.5879 | 0.1975 | 1 | 0 | 77 | 1 | RKPFSSNR |
| <input checked="" type="checkbox"/> | 117 | 411.1314 | 820.2482 | 820.3497 | -0.1015 | 0 | 0 | 3.8e+02 | 1 | MAANQDR + Oxidation (M) |
| <input checked="" type="checkbox"/> | 358 | 408.2889 | 1221.8449 | 1221.7193 | 0.1256 | 1 | 0 | 1.5e+02 | 1 | LNPKTINPGLR |
| <input checked="" type="checkbox"/> | 171 | 424.2624 | 846.5102 | 846.4811 | 0.0291 | 0 | 0 | 6.3e+02 | 1 | TISQLASK |
| <input checked="" type="checkbox"/> | 95 | 404.6290 | 807.2435 | 807.3949 | -0.1514 | 0 | 0 | 3.1e+02 | 1 | MQPAFAK + Oxidation (M) |
| <input checked="" type="checkbox"/> | 423 | 441.2821 | 1320.8246 | 1320.8493 | -0.0247 | 1 | 0 | 4.2e+02 | 1 | LLPVVSSLPKLR |
| <input checked="" type="checkbox"/> | 248 | 453.2309 | 904.4473 | 904.5052 | -0.0579 | 1 | 0 | 7e+02 | 1 | VAMKEALK + Oxidation (M) |
| <input checked="" type="checkbox"/> | 87 | 400.1911 | 798.3676 | 798.4348 | -0.0672 | 1 | 0 | 3.4e+02 | 1 | RQLPTGQ |
| <input checked="" type="checkbox"/> | 487 | 419.9957 | 1675.9535 | 1675.7584 | 0.1951 | 1 | 0 | 4.7e+02 | 1 | LGAEAAARAVIDGGCSR |
| <input checked="" type="checkbox"/> | 322 | 531.2396 | 1060.4646 | 1060.5587 | -0.0941 | 0 | 0 | 6.6e+02 | 1 | MATAATSPALK |
| <input checked="" type="checkbox"/> | 172 | 424.2718 | 846.5291 | 846.4487 | 0.0804 | 0 | 0 | 6.8e+02 | 1 | EDIPVFK |
| <input checked="" type="checkbox"/> | 549 | 926.1864 | 2775.5372 | 2775.4490 | 0.0882 | 0 | 0 | 1.8e+02 | 1 | VSQ_MLILTFPQGQGHGAQLLETVHR + Oxidation (M) |
| <input checked="" type="checkbox"/> | 1 | 401.3000 | 400.2927 | | | | | | | |
| <input checked="" type="checkbox"/> | 2 | 402.3000 | 401.2927 | | | | | | | |
| <input checked="" type="checkbox"/> | 3 | 402.3000 | 401.2927 | | | | | | | |
| <input checked="" type="checkbox"/> | 4 | 403.3000 | 402.2927 | | | | | | | |
| <input checked="" type="checkbox"/> | 5 | 405.1000 | 404.0927 | | | | | | | |
| <input checked="" type="checkbox"/> | 6 | 405.1810 | 404.1738 | | | | | | | |
| <input checked="" type="checkbox"/> | 7 | 405.2073 | 404.2000 | | | | | | | |
| <input checked="" type="checkbox"/> | 8 | 405.2075 | 404.2002 | | | | | | | |
| <input checked="" type="checkbox"/> | 9 | 405.2077 | 404.2005 | | | | | | | |
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| <input checked="" type="checkbox"/> | 11 | 406.2088 | 405.2016 | | | | | | | |
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| <input checked="" type="checkbox"/> | 14 | 409.1000 | 408.0927 | | | | | | | |
| <input checked="" type="checkbox"/> | 15 | 409.2152 | 408.2079 | | | | | | | |
| <input checked="" type="checkbox"/> | 16 | 410.2206 | 409.2134 | | | | | | | |
| <input checked="" type="checkbox"/> | 17 | 410.2227 | 409.2154 | | | | | | | |
| <input checked="" type="checkbox"/> | 18 | 410.2293 | 409.2220 | | | | | | | |
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| <input checked="" type="checkbox"/> | 20 | 411.3000 | 410.2927 | | | | | | | |
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| <input checked="" type="checkbox"/> | 24 | 413.4000 | 412.3927 | | | | | | | |
| <input checked="" type="checkbox"/> | 25 | 415.2013 | 414.1941 | | | | | | | |
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| <input checked="" type="checkbox"/> | 27 | 416.2019 | 415.1946 | | | | | | | |
| <input checked="" type="checkbox"/> | 28 | 416.2026 | 415.1953 | | | | | | | |
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| <input checked="" type="checkbox"/> | 31 | 419.2933 | 418.2861 | | | | | | | |
| <input checked="" type="checkbox"/> | 32 | 419.2955 | 418.2882 | | | | | | | |
| <input checked="" type="checkbox"/> | 33 | 419.2968 | 418.2896 | | | | | | | |
| <input checked="" type="checkbox"/> | 34 | 420.2888 | 419.2815 | | | | | | | |
| <input checked="" type="checkbox"/> | 35 | 420.3000 | 419.2927 | | | | | | | |
| <input checked="" type="checkbox"/> | 36 | 421.2000 | 420.1927 | | | | | | | |
| <input checked="" type="checkbox"/> | 37 | 422.2291 | 421.2218 | | | | | | | |
| <input checked="" type="checkbox"/> | 38 | 423.4000 | 422.3927 | | | | | | | |
| <input checked="" type="checkbox"/> | 39 | 423.4000 | 422.3927 | | | | | | | |
| <input checked="" type="checkbox"/> | 40 | 426.4000 | 425.3927 | | | | | | | |
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| <input checked="" type="checkbox"/> | 42 | 427.2250 | 426.2178 | | | | | | | |
| <input checked="" type="checkbox"/> | 43 | 429.1000 | 428.0927 | | | | | | | |
| <input checked="" type="checkbox"/> | 44 | 429.1000 | 428.0927 | | | | | | | |
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| <input checked="" type="checkbox"/> | 46 | 430.2113 | 429.2040 | | | | | | | |
| <input checked="" type="checkbox"/> | 47 | 431.2120 | 430.2047 | | | | | | | |
| <input checked="" type="checkbox"/> | 48 | 432.2124 | 431.2051 | | | | | | | |
| <input checked="" type="checkbox"/> | 49 | 432.4000 | 431.3927 | | | | | | | |
| <input checked="" type="checkbox"/> | 50 | 433.2153 | 432.2080 | | | | | | | |
| <input checked="" type="checkbox"/> | 51 | 433.2186 | 432.2113 | | | | | | | |
| <input checked="" type="checkbox"/> | 52 | 436.2015 | 435.1942 | | | | | | | |
| <input checked="" type="checkbox"/> | 53 | 437.4000 | 436.3927 | | | | | | | |
| <input checked="" type="checkbox"/> | 54 | 445.1000 | 444.0927 | | | | | | | |
| <input checked="" type="checkbox"/> | 55 | 445.2000 | 444.1927 | | | | | | | |
| <input checked="" type="checkbox"/> | 56 | 449.1266 | 448.1193 | | | | | | | |
| <input checked="" type="checkbox"/> | 57 | 449.2000 | 448.1927 | | | | | | | |

| | | | |
|-------------------------------------|---------------------|----------|----------|
| <input checked="" type="checkbox"/> | | | |
| <input checked="" type="checkbox"/> | 58 | 459.2526 | 458.2454 |
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| <input checked="" type="checkbox"/> | 60 | 471.2000 | 470.1927 |
| <input checked="" type="checkbox"/> | 61 | 472.2000 | 471.1927 |
| <input checked="" type="checkbox"/> | 62 | 474.2159 | 473.2087 |
| <input checked="" type="checkbox"/> | 63 | 475.3757 | 474.3685 |
| <input checked="" type="checkbox"/> | 64 | 482.4000 | 481.3927 |
| <input checked="" type="checkbox"/> | 65 | 499.3000 | 498.2927 |
| <input checked="" type="checkbox"/> | 66 | 509.4000 | 508.3927 |
| <input checked="" type="checkbox"/> | 67 | 528.3889 | 527.3816 |
| <input checked="" type="checkbox"/> | 68 | 528.5000 | 527.4927 |
| <input checked="" type="checkbox"/> | 69 | 535.3000 | 534.2927 |
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| <input checked="" type="checkbox"/> | 71 | 545.3000 | 544.2927 |
| <input checked="" type="checkbox"/> | 72 | 554.4000 | 553.3927 |
| <input checked="" type="checkbox"/> | 73 | 555.2974 | 554.2901 |
| <input checked="" type="checkbox"/> | 74 | 585.3121 | 584.3049 |
| <input checked="" type="checkbox"/> | 75 | 593.2000 | 592.1927 |
| <input checked="" type="checkbox"/> | 76 | 628.5000 | 627.4927 |
| <input checked="" type="checkbox"/> | 77 | 630.0000 | 628.9927 |
| <input checked="" type="checkbox"/> | 78 | 630.2000 | 629.1927 |
| <input checked="" type="checkbox"/> | 80 | 639.8127 | 638.8055 |
| <input checked="" type="checkbox"/> | 81 | 641.5894 | 640.5821 |
| <input checked="" type="checkbox"/> | 82 | 657.5917 | 656.5844 |
| <input checked="" type="checkbox"/> | 83 | 658.5000 | 657.4927 |
| <input checked="" type="checkbox"/> | 84 | 659.5826 | 658.5753 |
| <input checked="" type="checkbox"/> | 85 | 713.3708 | 712.3635 |
| <input checked="" type="checkbox"/> | 86 | 776.1904 | 775.1831 |
| <input checked="" type="checkbox"/> | 90 | 401.3000 | 800.5854 |
| <input checked="" type="checkbox"/> | 94 | 403.3000 | 804.5854 |
| <input checked="" type="checkbox"/> | 96 | 405.1000 | 808.1854 |
| <input checked="" type="checkbox"/> | 99 | 405.2118 | 808.4091 |
| <input checked="" type="checkbox"/> | 100 | 405.3536 | 808.6926 |
| <input checked="" type="checkbox"/> | 102 | 406.2596 | 810.5046 |
| <input checked="" type="checkbox"/> | 103 | 407.1503 | 812.2860 |
| <input checked="" type="checkbox"/> | 106 | 407.8218 | 813.6291 |
| <input checked="" type="checkbox"/> | 110 | 409.1000 | 816.1854 |
| <input checked="" type="checkbox"/> | 115 | 409.3504 | 816.6863 |
| <input checked="" type="checkbox"/> | 116 | 409.3631 | 816.7117 |
| <input checked="" type="checkbox"/> | 120 | 411.1845 | 820.3545 |
| <input checked="" type="checkbox"/> | 122 | 411.2073 | 820.4001 |
| <input checked="" type="checkbox"/> | 124 | 412.3000 | 822.5854 |
| <input checked="" type="checkbox"/> | 129 | 413.1932 | 824.3719 |
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| <input checked="" type="checkbox"/> | 133 | 415.3000 | 828.5854 |
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| <input checked="" type="checkbox"/> | 136 | 416.3740 | 830.7334 |
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| <input checked="" type="checkbox"/> | 189 | 430.1000 | 858.1854 |
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| <input checked="" type="checkbox"/> | 215 | 437.4000 | 872.7854 |
| <input checked="" type="checkbox"/> | 217 | 440.4643 | 878.9140 |
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Search Parameters

Type of search : MS/MS Ion Search
Enzyme : Trypsin
Variable modifications : [Carbamidomethyl \(C\)](#), [Oxidation \(M\)](#)
Mass values : Monoisotopic
Protein Mass : Unrestricted
Peptide Mass Tolerance : ± 0.2 Da
Fragment Mass Tolerance : ± 0.2 Da
Max Missed Cleavages : 1
Instrument type : Default
Number of queries : 551

Mascot: <http://www.matrixscience.com/>