

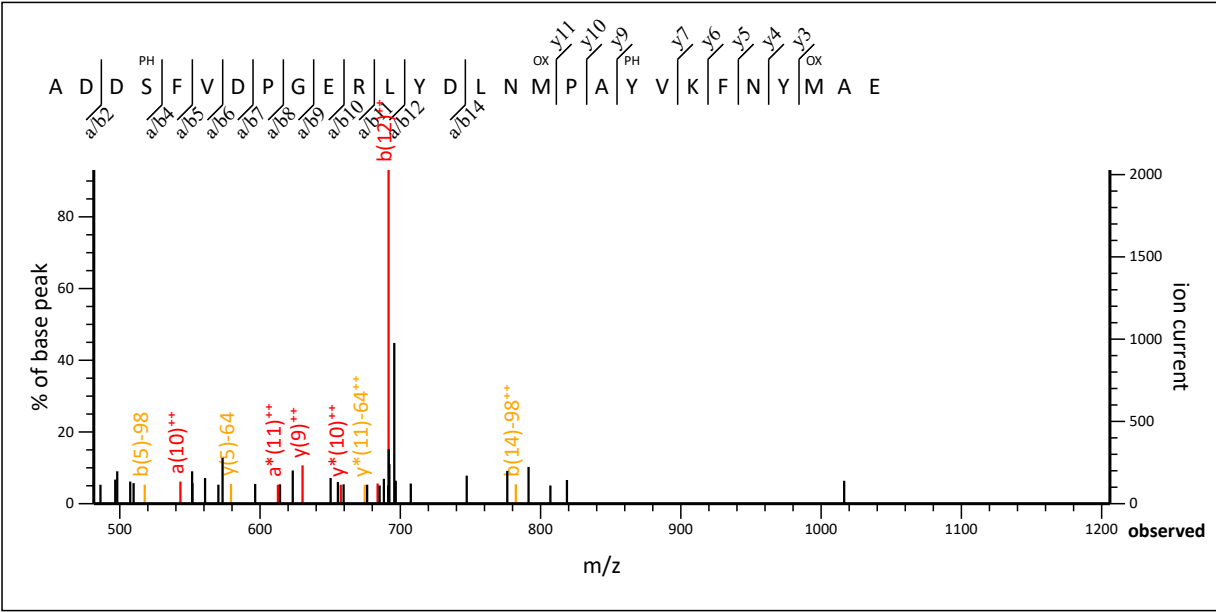
MATRIX SCIENCE

Mascot Search Results

Peptide View

MS/MS Fragmentation of **ADDSFVDPGERLYDLNMPAYVKFNYMAE**  
Found in **Human\_Nck1** in **Human\_Nck1**, Human\_Nck1

Match to Query 9125: 3462.167920 from(693.440860,5+) intensity(3892.0000) rtinseconds(2764.99) scans(MS: 10987 MSMS: 10997) index(9020)  
Title: Cmpd 9021, +MS2(693.4409), 33.9eV, 46.1 min #10997  
Data file D:\ID proteins\mgf\ID2025\mgf20250102\Jatuporn\CD4\_0min.mgf



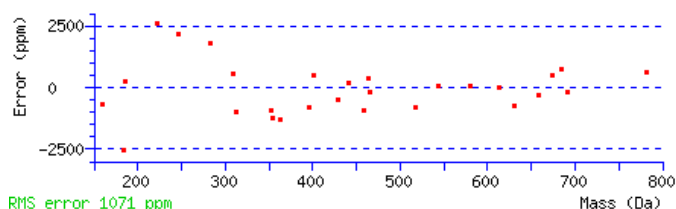
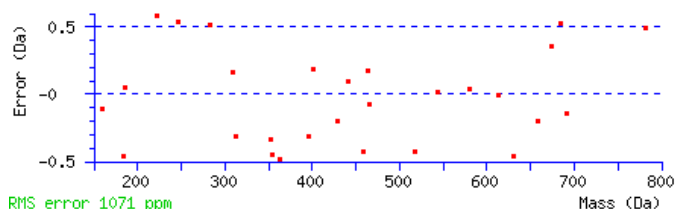
481.45 to 1205.89

Label all possible matches ☒ Label matches used for scoring ☐

Monoisotopic mass of neutral peptide Mr(calc): 3461.3910  
Fixed modifications: Carbamidomethyl (C) (apply to specified residues or termini only)  
Variable modifications:  
S4 : Phospho (ST), with neutral losses 0.0000(shown in table), 97.9769  
M17 : Oxidation (M), with neutral losses 0.0000(shown in table), 63.9983  
Y20 : Phospho (Y)  
M26 : Oxidation (M), with neutral losses 0.0000(shown in table), 63.9983  
Ions Score: 1 Expect: 0.82 ([help](#))

| #  | a         | a <sup>++</sup> | a <sup>*</sup> | a <sup>*++</sup> | b         | b <sup>++</sup> | b <sup>*</sup> | b <sup>*++</sup> | Seq. | y         | y <sup>++</sup> | y <sup>*</sup> | y <sup>*++</sup> | #  |
|----|-----------|-----------------|----------------|------------------|-----------|-----------------|----------------|------------------|------|-----------|-----------------|----------------|------------------|----|
| 1  | 44.0495   | 22.5284         |                |                  | 72.0444   | 36.5258         |                |                  | A    |           |                 |                |                  | 28 |
| 2  | 159.0764  | 80.0418         |                |                  | 187.0713  | 94.0393         |                |                  | D    | 3391.3612 | 1696.1842       | 3374.3347      | 1687.6710        | 27 |
| 3  | 274.1034  | 137.5553        |                |                  | 302.0983  | 151.5528        |                |                  | D    | 3276.3343 | 1638.6708       | 3259.3077      | 1630.1575        | 26 |
| 4  | 441.1017  | 221.0545        |                |                  | 469.0966  | 235.0520        |                |                  | S    | 3161.3073 | 1581.1573       | 3144.2808      | 1572.6440        | 25 |
| 5  | 588.1701  | 294.5887        |                |                  | 616.1650  | 308.5862        |                |                  | F    | 2994.3090 | 1497.6581       | 2977.2824      | 1489.1448        | 24 |
| 6  | 687.2385  | 344.1229        |                |                  | 715.2335  | 358.1204        |                |                  | V    | 2847.2405 | 1424.1239       | 2830.2140      | 1415.6106        | 23 |
| 7  | 802.2655  | 401.6364        |                |                  | 830.2604  | 415.6338        |                |                  | D    | 2748.1721 | 1374.5897       | 2731.1456      | 1366.0764        | 22 |
| 8  | 899.3183  | 450.1628        |                |                  | 927.3132  | 464.1602        |                |                  | P    | 2633.1452 | 1317.0762       | 2616.1186      | 1308.5630        | 21 |
| 9  | 956.3397  | 478.6735        |                |                  | 984.3346  | 492.6710        |                |                  | G    | 2536.0924 | 1268.5499       | 2519.0659      | 1260.0366        | 20 |
| 10 | 1085.3823 | 543.1948        |                |                  | 1113.3772 | 557.1923        |                |                  | E    | 2479.0710 | 1240.0391       | 2462.0444      | 1231.5258        | 19 |
| 11 | 1241.4834 | 621.2453        | 1224.4569      | 612.7321         | 1269.4783 | 635.2428        | 1252.4518      | 626.7295         | R    | 2350.0284 | 1175.5178       | 2333.0018      | 1167.0045        | 18 |
| 12 | 1354.5675 | 677.7874        | 1337.5409      | 669.2741         | 1382.5624 | 691.7848        | 1365.5359      | 683.2716         | L    | 2193.9273 | 1097.4673       | 2176.9007      | 1088.9540        | 17 |
| 13 | 1517.6308 | 759.3190        | 1500.6043      | 750.8058         | 1545.6257 | 773.3165        | 1528.5992      | 764.8032         | Y    | 2080.8432 | 1040.9252       | 2063.8166      | 1032.4120        | 16 |
| 14 | 1632.6578 | 816.8325        | 1615.6312      | 808.3192         | 1660.6527 | 830.8300        | 1643.6261      | 822.3167         | D    | 1917.7799 | 959.3936        | 1900.7533      | 950.8803         | 15 |
| 15 | 1745.7418 | 873.3745        | 1728.7153      | 864.8613         | 1773.7367 | 887.3720        | 1756.7102      | 878.8587         | L    | 1802.7529 | 901.8801        | 1785.7264      | 893.3668         | 14 |

|    |           |           |           |           |           |           |           |           |   |           |          |           |          |    |
|----|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|---|-----------|----------|-----------|----------|----|
| 16 | 1859.7847 | 930.3960  | 1842.7582 | 921.8827  | 1887.7797 | 944.3935  | 1870.7531 | 935.8802  | N | 1689.6689 | 845.3381 | 1672.6423 | 836.8248 | 13 |
| 17 | 2006.8201 | 1003.9137 | 1989.7936 | 995.4004  | 2034.8151 | 1017.9112 | 2017.7885 | 1009.3979 | M | 1575.6259 | 788.3166 | 1558.5994 | 779.8033 | 12 |
| 18 | 2103.8729 | 1052.4401 | 2086.8464 | 1043.9268 | 2131.8678 | 1066.4376 | 2114.8413 | 1057.9243 | P | 1428.5905 | 714.7989 | 1411.5640 | 706.2856 | 11 |
| 19 | 2174.9100 | 1087.9587 | 2157.8835 | 1079.4454 | 2202.9049 | 1101.9561 | 2185.8784 | 1093.4428 | A | 1331.5378 | 666.2725 | 1314.5112 | 657.7592 | 10 |
| 20 | 2417.9397 | 1209.4735 | 2400.9131 | 1200.9602 | 2445.9346 | 1223.4709 | 2428.9081 | 1214.9577 | Y | 1260.5007 | 630.7540 | 1243.4741 | 622.2407 | 9  |
| 21 | 2517.0081 | 1259.0077 | 2499.9816 | 1250.4944 | 2545.0030 | 1273.0051 | 2527.9765 | 1264.4919 | V | 1017.4710 | 509.2391 | 1000.4444 | 500.7259 | 8  |
| 22 | 2645.1031 | 1323.0552 | 2628.0765 | 1314.5419 | 2673.0980 | 1337.0526 | 2656.0714 | 1328.5394 | K | 918.4026  | 459.7049 | 901.3760  | 451.1917 | 7  |
| 23 | 2792.1715 | 1396.5894 | 2775.1449 | 1388.0761 | 2820.1664 | 1410.5868 | 2803.1398 | 1402.0736 | F | 790.3076  | 395.6574 | 773.2811  | 387.1442 | 6  |
| 24 | 2906.2144 | 1453.6108 | 2889.1879 | 1445.0976 | 2934.2093 | 1467.6083 | 2917.1828 | 1459.0950 | N | 643.2392  | 322.1232 | 626.2127  | 313.6100 | 5  |
| 25 | 3069.2777 | 1535.1425 | 3052.2512 | 1526.6292 | 3097.2726 | 1549.1400 | 3080.2461 | 1540.6267 | Y | 529.1963  | 265.1018 |           |          | 4  |
| 26 | 3216.3131 | 1608.6602 | 3199.2866 | 1600.1469 | 3244.3080 | 1622.6577 | 3227.2815 | 1614.1444 | M | 366.1329  | 183.5701 |           |          | 3  |
| 27 | 3287.3502 | 1644.1788 | 3270.3237 | 1635.6655 | 3315.3452 | 1658.1762 | 3298.3186 | 1649.6629 | A | 219.0975  | 110.0524 |           |          | 2  |
| 28 |           |           |           |           |           |           |           |           | E | 148.0604  | 74.5339  |           |          | 1  |



NCBI BLAST search of [ADDSFVDPGERLYDLNMPAYVKFNMAE](#)  
 (Parameters: blastp, nr protein database, expect=20000, no filter, PAM30)  
 Other BLAST [web gateways](#)

#### All matches to this query

| Score | Mr(calc)  | Delta  | Sequence                                       |
|-------|-----------|--------|------------------------------------------------|
| 0.9   | 3461.3910 | 0.7769 | <a href="#">ADDSFVDPGERLYDLNMPAYVKFNMAE</a>    |
| 0.8   | 3461.3477 | 0.8202 | <a href="#">IVMEKCS DGWWRGSYNGQVGWFPSNYV</a>   |
| 0.5   | 3460.5155 | 1.6524 | <a href="#">MVGLVPKNYVTVMQNNPLTSGLEPSPPQCD</a> |
| 0.5   | 3460.5155 | 1.6524 | <a href="#">MVGLVPKNYVTVMQNNPLTSGLEPSPPQCD</a> |
| 0.5   | 3460.5155 | 1.6524 | <a href="#">MVGLVPKNYVTVMQNNPLTSGLEPSPPQCD</a> |

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