



# MASCOT Search Results

## Protein View: NDKA\_HUMAN

**Nucleoside diphosphate kinase A OS=Homo sapiens GN=NME1 PE=1 SV=1**

**Database:** SwissProt  
**Score:** 68  
**Expect:** 0.0036  
**Monoisotopic mass (M<sub>r</sub>):** 17309  
**Calculated pI:** 5.83  
**Taxonomy:** Homo sapiens

Sequence similarity is available as [an NCBI BLAST search of NDKA\\_HUMAN against nr.](#)

### Search parameters

**Enzyme:** Trypsin: cuts C-term side of KR unless next residue is P.  
**Fixed modifications:** Carbamidomethyl (C)  
**Variable modifications:** Oxidation (M)  
**Mass values searched:** 20  
**Mass values matched:** 6

### Protein sequence coverage: 41%

Matched peptides shown in **bold red**.

1 MANCERTFIA IKPDGVQRGL **VGEIIKRFEQ** KGFRVLVGLKF MQASEDLLKE  
 51 HYVDLKD**DRPF** **FAGLVK**YMHS GPVVAMVWEG LNVVKTGR**VM** **LGETNPADSK**  
 101 **PGTIRGDFCI** **QVGRNIIHGS** **DSVESAEKEI** GLWFHPEELV DYTSCAQNWI  
 151 YE

Unformatted sequence string: **152 residues** (for pasting into other applications).

Sort by ☒ residue number ☐ increasing mass ☐ decreasing mass  
 Show ☒ matched peptides only ☐ predicted peptides also

Start - End	Observed	Mr(expt)	Mr(calc)	Delta M	Peptide
19 - 27	984.4700	983.4627	983.6127	-0.1500 1	<b>R.GLVGEIIKR.F</b>
27 - 31	707.2300	706.2227	706.3762	-0.1535 1	<b>K.RFEQK.G</b>
57 - 66	1149.5000	1148.4927	1148.6342	-0.1415 0	<b>K.DRPFFAGLVK.Y</b>
89 - 105	1785.7800	1784.7727	1784.9091	-0.1363 0	<b>R.VMLGETNPADSKPGTIR.G</b>
106 - 114	1051.3500	1050.3427	1050.4917	-0.1490 0	<b>R.GDFCIQVGR.N</b>
115 - 128	1485.4900	1484.4827	1484.7107	-0.2280 0	<b>R.NIIHGSDSVESAEK.E</b>

**No match to:** 603.9000, 609.9700, 619.7900, 621.8200, 629.9900, 630.9000,  
 642.9200, 649.9900, 672.0300, 675.9800, 842.3600, 856.3600, 1045.4700, 1046.3400