

(MATRIX) Mascot Search Results

Protein View

Match to: **YD_RFP-HERPc-Ub** Score: **291**

YD_RFP-HERPc-Ub

Found in search of C:\Documents and Settings\Safire2\My Documents\20100106_YaelDavid\BIT00737_YD_11_Herp_gp78_G2_merge.mgf

Nominal mass (Mr): **64441**; Calculated pI value: **5.86**

NCBI BLAST search of **YD_RFP-HERPc-Ub** against nr

Unformatted [sequence string](#) for pasting into other applications

Fixed modifications: Carbamidomethyl (C)

Variable modifications: Deamidated (NQ), Oxidation (M), GlyGly (K)

Cleavage by Trypsin: cuts C-term side of KR unless next residue is P

Sequence Coverage: **24%**

Matched peptides shown in **Bold Red**

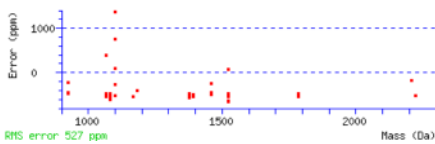
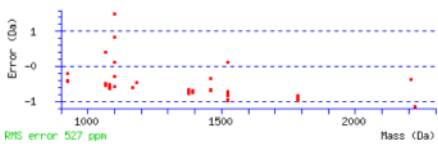
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1 MHHHHHHASS EDVIKEFMRF KVRMEGSVNG HEFEIEGEGE GRPYEGTQTA
51 KLKVTKGGPL PFAMDILSPQ FQYGSKAYVK HPADIPDYLK LSFPEGFKWE
101 RVMNFEDGGV VVTQDSSLQ DGEFLYKVKL RGTNFSDGDP VMQKRTMGWE
151 ASTERMYPED GALKGEIKMR LKLGQGHYD AENVKTYMAK KPVQLPGAYK
201 TDIKLDTSH NEDYTIYVQY ERAEGRHSIG AENLTFQGLE ESETEPEPVT
251 LLVKSFNQRH RDLKSGDRG WSVGHKRAHL SRVYPERPRP EDQRLIYSCK
301 LLLLDHQCLRD LLPKQEKRHV LHLVGNVYKSP SKMPEINAKV AESTTEPAGS
351 NRGQYVEDSS SDGLRQREV L RNLSSPQWEN ISRPEAAQA PQGLGPGFSG
401 YTPYQWLQLS WFQIYARQY YMQYLAATAA SGAFVPPPSA QEIPVVSAPA
451 PAPIHNQFPA ENQPAQNAA PQVWYPLGAN QNLRMNAQGG PIVEEDDEQI
501 FVKRLTKGKI TLEVEPDTI ENVKAKIQDK EGIPPDQRL IFAGKQLEDG
551 RTLSDYNIQK ESTLHLVLR RGG
    
```

Show predicted peptides also

Sort Peptides By Residue Number Increasing Mass Decreasing Mass

Start	End	Observed	Mr (expt)	Mr (calc)	Delta	Miss	Sequence
57	76	1104.3670	2206.7194	2207.1051	-0.3857	0	K.GGPLPFAMDILSPQFQYGSK.A (Ions score 24)
91	98	462.5310	923.0474	923.4753	-0.4278	0	K.LSFPEGFK.W (Ions score 35)
91	98	462.5420	923.0694	923.4753	-0.4058	0	K.LSFPEGFK.W (Ions score 35)
91	98	462.6380	923.2614	923.4753	-0.2138	0	K.LSFPEGFK.W (Ions score 43)
132	144	688.9350	1375.8554	1376.6395	-0.7840	0	R.GTNFSDGDPVMQK.K (Ions score 68)
132	144	688.9610	1375.9074	1376.6395	-0.7320	0	R.GTNFSDGDPVMQK.K (Ions score 46)
132	144	688.9860	1375.9574	1376.6395	-0.6820	0	R.GTNFSDGDPVMQK.K (Ions score 28)
132	144	689.0010	1375.9874	1376.6395	-0.6520	0	R.GTNFSDGDPVMQK.K (Ions score 59)
132	144	696.9520	1391.8894	1392.6344	-0.7449	0	R.GTNFSDGDPVMQK.K Oxidation (M) (Ions score 72)
132	144	696.9830	1391.9514	1392.6344	-0.6829	0	R.GTNFSDGDPVMQK.K Oxidation (M) (Ions score 69)
146	155	583.9500	1165.8854	1166.5026	-0.6172	0	K.TMGWEASTER.W (Ions score 37)
146	155	592.0180	1182.0214	1182.4975	-0.4761	0	K.TMGWEASTER.W Oxidation (M) (Ions score 52)
191	200	550.5430	1099.0714	1099.6390	-0.5675	0	K.KPVQLPGAYK.T (Ions score 48)
191	200	1100.3580	1099.3507	1099.6390	-0.2882	0	K.KPVQLPGAYK.T (Ions score 32)
191	200	550.8850	1099.7554	1099.6390	0.1165	0	K.KPVQLPGAYK.T (Ions score 53)
191	200	551.2470	1100.4794	1099.6390	0.8405	0	K.KPVQLPGAYK.T (Ions score 51)
191	200	551.5770	1101.1394	1099.6390	1.5005	0	K.KPVQLPGAYK.T (Ions score 51)
205	222	1112.4490	2222.8834	2224.0284	-1.1449	0	K.LDITSHNEDYTIYVQYER.A (Ions score 23)
509	524	893.9810	1785.9474	1786.9200	-0.9726	0	K.TITLEVEPDTIENVK.A (Ions score 19)
509	524	894.0250	1786.0354	1786.9200	-0.8846	0	K.TITLEVEPDTIENVK.A (Ions score 52)
509	524	894.0440	1786.0734	1786.9200	-0.8466	0	K.TITLEVEPDTIENVK.A (Ions score 48)
527	539	1522.7980	1521.7907	1522.7740	-0.9832	1	K.IQDKEGIPPDQQR.L (Ions score 41)
527	539	508.2810	1521.8212	1522.7740	-0.9528	1	K.IQDKEGIPPDQQR.L (Ions score 40)
527	539	761.9790	1521.9434	1522.7740	-0.8305	1	K.IQDKEGIPPDQQR.L (Ions score 35)
527	539	762.0050	1521.9954	1522.7740	-0.7785	1	K.IQDKEGIPPDQQR.L (Ions score 30)
527	539	762.0360	1522.0574	1522.7740	-0.7165	1	K.IQDKEGIPPDQQR.L (Ions score 47)
527	539	762.4520	1522.8894	1522.7740	0.1155	1	K.IQDKEGIPPDQQR.L (Ions score 50)
540	551	730.5430	1459.0714	1459.7783	-0.7069	1	R.LIFAGKQLEDGR.T GlyGly (K) (Ions score 68)
540	551	730.5700	1459.1254	1459.7783	-0.6529	1	R.LIFAGKQLEDGR.T GlyGly (K) (Ions score 76)
540	551	487.4830	1459.4272	1459.7783	-0.3511	1	R.LIFAGKQLEDGR.T GlyGly (K) (Ions score 35)
552	560	540.9560	1079.8974	1080.5451	-0.6477	0	R.TLSDYNIQK.E (Ions score 65)
552	560	1080.9510	1079.9437	1080.5451	-0.6014	0	R.TLSDYNIQK.E (Ions score 17)
552	560	540.9910	1079.9674	1080.5451	-0.5777	0	R.TLSDYNIQK.E (Ions score 65)
552	560	541.0250	1080.0354	1080.5451	-0.5097	0	R.TLSDYNIQK.E (Ions score 64)
561	569	534.0320	1066.0494	1066.6135	-0.5640	0	K.ESTLHLVLR.L (Ions score 61)
561	569	534.0610	1066.1074	1066.6135	-0.5060	0	K.ESTLHLVLR.L (Ions score 50)
561	569	534.5220	1067.0294	1066.6135	0.4160	0	K.ESTLHLVLR.L (Ions score 41)



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

MASCOT **SCIENCE** Mascot Search Results

Protein View

Match to: **YD_RFP-HERPc-Ub** Score: **380**

YD_RFP-HERPc-Ub

Found in search of C:\Documents and Settings\Safire2\My Documents\20100106_YaelDavid\BIT00782_YD_14_HerpUb_gp78_G2_merge.mgf

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NCBI BLAST search of **YD_RFP-HERPc-Ub** against nr

Unformatted [sequence string](#) for pasting into other applications

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Variable modifications: Deamidated (NQ), Oxidation (M), GlyGly (K)

Cleavage by Trypsin: cuts C-term side of KR unless next residue is P

Sequence Coverage: **29%**

Matched peptides shown in **Bold Red**

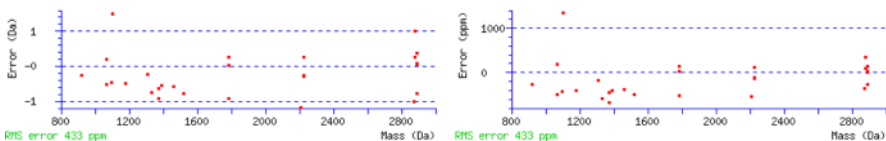
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1 MHHHHHHASS EDVIKEFMRF KVRMEGSVNG HEFEIEGEGE GRPYEGTQTA
51 KLKVTKGGPL PFAMWLLSPQ FQYGSKAYVK HPADIPDYLK LSFPEGFKWE
101 RVNMFEDGGV VVTQDSSLQ DGEFLYKVKL RGTNFPSDGP VMQKRTMGWE
151 ASTERMYPED GALKGEIKMR LKLGQGHVD AEVKTYMAK KPVQLPGAYK
201 TDIKLDTISH NEDTIVYEQY ERAEGRHSIG AENLTFQGLE ESETEPEPVT
251 LLVKSFNQRH RDELSEDRG WSYGHLKAHL SRVYPERPRP EDQRLIYSCK
301 LLLDHQCLRD LLPKQEKRHV LHLVGNVKSP SKMPEINAKV AESTTEEPAGS
351 NRGQYFEDSS SDGLRQREVL RNLSSPQWEN ISRPEAAQQA PQGLGPGFSG
401 YTPYHQLQLS WFOQIYARQY YMQVLAATAA SGAFVPPPSA QEIPVVSAPA
451 PAPIHNQFPA ENQPANQNAA PQVWVNGAN QNLRMNAQGG PIVEEDDEQI
501 FVKTLTGKTI TLEVEPSDTI ENVKAKIQD EGIPPDQQL IFAGKQLEDG
551 RTLSDYNIQK ESTLHLVLRL RGG
    
```

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Start	End	Observed	Mr (expt)	Mr (calc)	Delta	Miss	Sequence
57	- 76	1103.9710	2205.9274	2207.1051	-1.1777	0	K.GGPLPFAMWLLSPQFQYGSK.A (Ions score 20)
91	- 98	462.6210	923.2274	923.4753	-0.2478	0	K.LSFPEGFK.W (Ions score 47)
102	- 127	1439.1770	2876.3394	2877.3379	-0.9984	0	R.VNMFEDGGVVTVTQDSSLQDGEFLYK.V (Ions score 27)
102	- 127	960.2050	2877.5932	2877.3379	0.2553	0	R.VNMFEDGGVVTVTQDSSLQDGEFLYK.V (Ions score 55)
102	- 127	1440.1800	2878.3454	2877.3379	1.0076	0	R.VNMFEDGGVVTVTQDSSLQDGEFLYK.V (Ions score 66)
102	- 127	1447.2860	2892.5574	2893.3328	-0.7754	0	R.VNMFEDGGVVTVTQDSSLQDGEFLYK.V Oxidation (M) (Ions score 36)
102	- 127	965.4670	2893.3792	2893.3328	0.0464	0	R.VNMFEDGGVVTVTQDSSLQDGEFLYK.V Oxidation (M) (Ions score 30)
102	- 127	1447.7230	2893.4314	2893.3328	0.0986	0	R.VNMFEDGGVVTVTQDSSLQDGEFLYK.V Oxidation (M) (Ions score 80)
102	- 127	965.5790	2893.7152	2893.3328	0.3824	0	R.VNMFEDGGVVTVTQDSSLQDGEFLYK.V Oxidation (M) (Ions score 62)
132	- 144	1376.7230	1375.7157	1376.6395	-0.9237	0	R.GTNFSDGPFVMQK.K (Ions score 26)
132	- 144	689.0130	1376.0114	1376.6395	-0.6280	0	R.GTNFSDGPFVMQK.K (Ions score 60)
132	- 144	697.0420	1392.0694	1392.6344	-0.5649	0	R.GTNFSDGPFVMQK.K Oxidation (M) (Ions score 82)
145	- 155	656.1940	1310.3734	1310.5925	-0.2190	1	K.KTMGEASTER.M Oxidation (M) (Ions score 83)
146	- 155	592.0130	1182.0114	1182.4975	-0.4861	0	K.KTMGEASTER.M Oxidation (M) (Ions score 62)
173	- 184	1330.8950	1329.8877	1330.6517	-0.7640	1	K.LKDGHYDAVK.T (Ions score 29)
191	- 200	550.5930	1099.1714	1099.6390	-0.4675	0	K.KPVQLPGAYK.T (Ions score 53)
191	- 200	551.5700	1101.1254	1099.6390	1.4865	0	K.KPVQLPGAYK.T (Ions score 56)
205	- 222	1112.8770	2223.7394	2224.0284	-0.2889	0	K.LDITSHNEDYTIQEYER.A (Ions score 32)
205	- 222	1112.8900	2223.7654	2224.0284	-0.2629	0	K.LDITSHNEDYTIQEYER.A (Ions score 10)
205	- 222	1113.1440	2224.2734	2224.0284	0.2451	0	K.LDITSHNEDYTIQEYER.A (Ions score 99)
509	- 524	894.0110	1786.0074	1786.9200	-0.9126	0	K.TITLEVEPSDTIENVK.A (Ions score 47)
509	- 524	894.4870	1786.9594	1786.9200	0.0394	0	K.TITLEVEPSDTIENVK.A (Ions score 47)
509	- 524	894.6030	1787.1914	1786.9200	0.2714	0	K.TITLEVEPSDTIENVK.A (Ions score 56)
527	- 539	762.0100	1522.0054	1522.7740	-0.7685	1	K.IQDKEGIPPDQQR.L (Ions score 51)
540	- 551	730.6110	1459.2074	1459.7783	-0.5709	1	R.LIFAGKQLEDGR.T GlyGly (K) (Ions score 70)
561	- 569	534.0470	1066.0794	1066.6135	-0.5340	0	K.ESTLHLVLR.L (Ions score 66)
561	- 569	534.4130	1066.8114	1066.6135	0.1980	0	K.ESTLHLVLR.L (Ions score 29)



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