

Mascot Search Results**Protein View**Match to: **IF5A1_HUMAN** Score: **86** Expect: **4.9e-05****Eukaryotic translation initiation factor 5A-1 OS=Homo sapiens GN=EIF5A PE=1 SV=2**Nominal mass (M_r): **17049**; Calculated pI value: **5.08**NCBI BLAST search of [IF5A1_HUMAN](#) against nrUnformatted [sequence string](#) for pasting into other applicationsTaxonomy: [Homo sapiens](#)

Fixed modifications: Carbamidomethyl (C)

Variable modifications: Oxidation (M)

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

Number of mass values searched: **10**Number of mass values matched: **6**Sequence Coverage: **50%**Matched peptides shown in **Bold Red**

1 MADDLDFETG DAGASATFPM QCSALR**NGF VVLKGRPCKI** VEMSTSKTGK
51 GHGAK**VHLVG IDIFTGKKYE DICPSTHNMD VPMKRNDQ LIGIQDGYLS**
101 **LLQDSGEVRE DLRLPEGDLG** KEIEQKYDCG EEILITVLSA MTEEAATAIK
151 AMAK

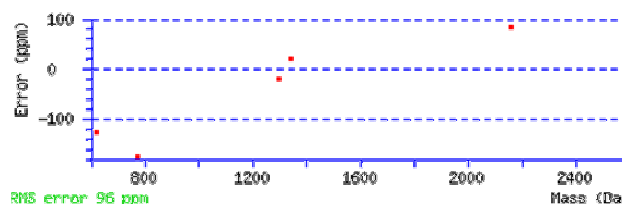
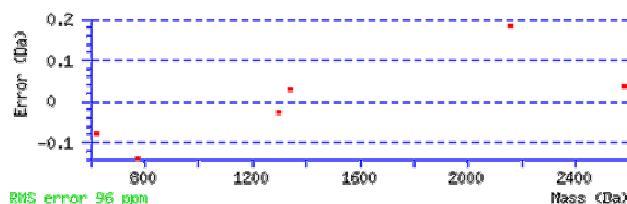
Show predicted peptides also

Sort Peptides By

☒ Residue Number ☐ Increasing Mass ☐ Decreasing Mass

Start - End	Observed	Mr(expt)	Mr(calc)	Delta	Miss	Sequence
28 - 34	776.3300	775.3227	775.4592	-0.1365	0	K.NGFVVLK.G
35 - 39	617.2400	616.2327	616.3115	-0.0788	0	K.GRPCK.I
56 - 67	1298.7200	1297.7127	1297.7394	-0.0267	0	K.VHLVGIDIFTGK.K
68 - 85	2161.1900	2160.1827	2159.9980	0.1848	1	K.KYEDICPSTHNMDVPMKR.R
87 - 109	2580.3300	2579.3227	2579.2867	0.0360	0	R.NDFQLIGIQDGYLSLLQDSGEVR.E
110 - 121	1341.7300	1340.7227	1340.6936	0.0292	1	R.EDLRLPEGDLGK.E

No match to: 922.4700, 944.5300, 1794.7800, 2688.1900



AC P63241; A8K9A0; D3DTP2; P10159; Q16182; Q7L7L3; Q7Z4L1; Q9D0G2;
DT 11-OCT-2004, integrated into UniProtKB/Swiss-Prot.
DT 23-JAN-2007, sequence version 2.
DT 31-MAY-2011, entry version 78.
DE RecName: Full=Eukaryotic translation initiation factor 5A-1;
DE Short=eIF-5A-1;
DE Short=eIF-5A1;
DE AltName: Full=Eukaryotic translation initiation factor 5A isoform 1;
DE Short=eIF-5A;
DE AltName: Full=Rev-binding factor;
DE AltName: Full=eIF-4D;
GN Name=EIF5A;
OS Homo sapiens (Human).
OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
OC Mammalia; Eutheria; Euarchontoglires; Primates; Haplorrhini;
OC Catarrhini; Hominidae; Homo.
OX NCBI_TaxID=9606;
RN [1]
RP NUCLEOTIDE SEQUENCE [MRNA] (ISOFORM 1).
RX MEDLINE=89109169; PubMed=2492279;
RA Smit-Mcbride Z., Dever T.E., Hershey J.W.B., Merrick W.C.;
RT "Sequence determination and cDNA cloning of eukaryotic initiation
RT factor 4D, the hypusine-containing protein.";
RL J. Biol. Chem. 264:1578-1583(1989).
RN [2]
RP NUCLEOTIDE SEQUENCE [MRNA], PROTEIN SEQUENCE OF 21-154, INTERACTION
RP WITH HIV-1 REV, AND SUBCELLULAR LOCATION.
RX MEDLINE=94075396; PubMed=8253832; DOI=10.1083/jcb.123.6.1309;
RA Ruhl M., Himmelspach M., Bahr G.M., Hammerschmid F., Jaksche H.,
RA Wolff B., Aschauer H., Farrington G.K., Probst H., Bevec D.,
RA Hauber J.;
RT "Eukaryotic translation initiation factor 5A is a cellular target of the human
RT immunodeficiency virus type 1 Rev activation domain mediating trans-