

MATRIX SCIENCE MASCOT Search Results

Protein View: TCTP_HUMAN

Translationally-controlled tumor protein OS=Homo sapiens GN=TPT1 PE=1 SV=1

Database: SwissProt
Score: 68
Expect: 0.0035
Monoisotopic mass (M_r): 19583
Calculated pI: 4.84
Taxonomy: Homo sapiens

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

Search parameters

Enzyme: Trypsin: cuts C-term side of KR unless next residue is P.
Mass values searched: 9
Mass values matched: 5

Protein sequence coverage: 20%

Matched peptides shown in **bold red**.

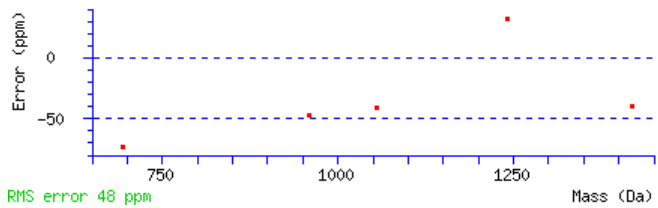
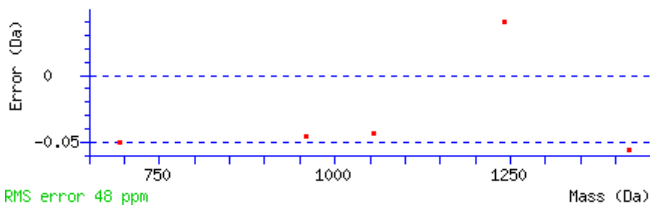
1 **MI**IYRDLISH DEMFSDIYKI REIADGLCLE VEGKMVS RTE GNIDDSLIGG
51 NASAEGPEGE GTESTVITGV DIVMNHHLQE TSFTKEAYKK **YIKDY**MSIK
101 **GKLEEQR**PER **VKPFMTGAAE QIK**HILANFK NYQFFIGENM NPDGMVALLD
151 YREDGVTPYM IFFKDGLEME KC

Unformatted sequence string: **172 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
1 – 5	695.3400	694.3327	694.3836	-0.0509 0	- .MI IYR.D
91 – 97	960.4400	959.4327	959.4786	-0.0459 1	K.YIKDYMK.S
101 – 110	1241.7000	1240.6927	1240.6524	0.0404 1	K.GKLEEQRPER.V
103 – 110	1056.5000	1055.4927	1055.5359	-0.0432 0	K.LEEQRPER.V
111 – 123	1419.7100	1418.7027	1418.7592	-0.0564 0	R.VKPFMTGAAEQIK.H

No match to: 568.0300, 649.9400, 812.3900, 1701.9300



ID TCTP_HUMAN Reviewed; 172 AA.
AC P13693; B2R7E5; Q6YLS2; Q7Z4J4; Q8TBK7; Q96EE2; Q9UC70;
DT 01-JAN-1990, integrated into UniProtKB/Swiss-Prot.
DT 01-JAN-1990, sequence version 1.
DT 22-NOV-2017, entry version 191.
DE RecName: Full=Translationally-controlled tumor protein;
DE Short=TCTP;
DE AltName: Full=Fortilin;
DE AltName: Full=Histamine-releasing factor;
DE Short=HRF;
DE AltName: Full=p23;
GN Name=TPT1;
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 PubMed=2813067; DOI=10.1093/nar/17.20.8367;
RA Gross B., Gaestel M., Boehm H., Bielka H.;
RT "cDNA sequence coding for a translationally controlled human tumor
protein.";
RL Nucleic Acids Res. 17:8367-8367(1989).
RN [2]
RP NUCLEOTIDE SEQUENCE [GENOMIC DNA] (ISOFORM 1).
RA Thiele H.;