

Product datasheet for PH307917

Tripeptidyl peptidase II (TPP2) (NM_003291) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	TPP2 MS Standard C13 and N15-labeled recombinant protein (NP_003282)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC207917
Predicted MW:	138.3 kDa
Protein Sequence:	>RC207917 protein sequence Red=Cloning site Green=Tags(s)

MATAATEEPFPHGLLPKKTGAASFLCRYPEYDGRGVLIAVLDTGVDPGAPGMQVTTDGGPKIVDIIDT
TSGSDVNTATEVEPKDGEIVGLSGRVLKIPASWTNPSGKYHIGIKNGYDFYPKALKKERIKERKEKIWDP
VHRVALAEACRKQEEFDVANNGSSQANKLIKEELQSQVELLNSFEKKYSDPGPVYDCLVWHDGEVWRACI
DSNEDGDL SKSTVLRNYKEAQEYGSFGTAEMLNYSVNIYDDGNLLSIVTSGGAHGTHVASIAAGHFPEEP
ERNGVAPGAQILSIKIGDTRLSTMETGTGLIRAMIEVINHKCDLVNYSYGEATHWPNNGRICEVINEAVW
KHNIIVSSAGNNGPCLSTVGCPCGGTSSVIGVAYVSPDMMVAEYSLREKLPANQYTWSSRGP SADGAL
GVSISAPGGAIASVPNWTLRGTQLMNGTSMSSPNACGGIALILSGLKANNIDYTVHSVRRALENTAVKAD
NIEVFAQGHGIIQVDKAYDYL VQNTSFANKLGFVTVGNNGRIYLRDPVQVAAPSDHGVGIEPVFPENTE
NSEKISLQLHLALTSNSSWVQCPSHLELMNQCRHINIRVDPGRGLREGLHYTEVCGYDIASPNAGPLFRVP
ITAVIAAKVNESSHYDLAFTDVFHKPGQIRRHFIIEVPEGATWAEVTVCSSESSEVSAKFLVHAYQLVKQRA
YRSHEFYKFCSLPEKGTLEAFVVLGGKAEIEFCIARWWASLSDVNIDYTI SFHGI VCTAPQLNIHASEGI
NRFDVQSSSLKYEDLAPCITLKNWVQTLRPVSAKTKPLGSRDVL PNNRQLYEMVL TYNFHQPKSGEVT PSC
PLLCELLYESEFDSQLWIIFDQNKRMGSGDAYPHQYSLKLEKGDYTI RQLRHEQISDLERLKDLPFIV
SHRLSNTLSLDIHENHSFALLGKKKSSNLTLPPKYNQPFV TSLPDDKIPKGAGPGCYLAGSLTL SKTEL
GKKADVIPVHYLIPPPTKTKNGSKDKEKDESEKDLKEEFTEALRDLKIQWMTKLDSSDIYNELKETYP
NYLPLYVARLHQLDAEKERMKRLNEIVDAANAVISHIDQ TALAVYIAMKTDPRPDAATIKNDMDKQKSTL
VDALCRKGCALADHLLHTQAQDGAISTDAEGKEEGESPLDSLAE TFWETTKWTDLFDNKVLTFA YKHAL
VNKMYGRGLKFATKLVEEKPTKENWKNCIQLMKLLGWTHCASFTENWLPIMYPPDYCVF

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

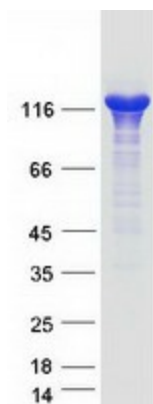
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine



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Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	NP_003282
RefSeq Size:	4716
RefSeq ORF:	3747
Synonyms:	IMD78; TPP-2; TPP-II; TPPII
Locus ID:	7174
UniProt ID:	P29144
Cytogenetics:	13q33.1
Summary:	This gene encodes a mammalian peptidase that, at neutral pH, removes tripeptides from the N terminus of longer peptides. The protein has a specialized function that is essential for some MHC class I antigen presentation. The protein is a high molecular mass serine exopeptidase; the amino acid sequence surrounding the serine residue at the active site is similar to the peptidases of the subtilisin class rather than the trypsin class. [provided by RefSeq, Jul 2008]
Protein Families:	Druggable Genome, Protease

Product images:



Coomassie blue staining of purified TPP2 protein (Cat# [TP307917]). The protein was produced from HEK293T cells transfected with TPP2 cDNA clone (Cat# [RC207917]) using MegaTran 2.0 (Cat# [TT210002]).