

Product datasheet for TP307917

Tripeptidyl peptidase II (TPP2) (NM_003291) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human tripeptidyl peptidase II (TPP2), 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC207917 protein sequence Red=Cloning site Green=Tags(s)

MATAATEEPFPFHGLLPKKETGAASFLCRYPEYDGRGVLI AVLDTGVDPGAPGMQVTTDGPKKIVDIIDT
TGSGDVNTATEVEPKDGEIVGLSGRVLKIPASWTNPSGKYHIGIKNGYDFYPKALKERIQKERKEKIWDP
VHRVALAEACRKQEEFDVANNGSSQANKLIKEELQSQVELLNSFEKKYSDPGPVYDCLVWHDGVEWRACI
DSNEDGDLKSTVLRNYKEAQEYGSFGTAEMLNYSVNIYDDGNLLSIVTSGGAHGHVASIAAGHFPEEP
ERNGVAPGAQILSIKIGDTRLSTMETGTGLIRAMIEVINHKCDLVNYSYGEATHWPNSGRICEVINEAVW
KHNIIVSSAGNNGPCLSTVGCPCGGTSSVIGVGAYVSPDMMVAEYSLREKLPANQYTWSSRGPSADGAL
GVSISAPGGAIASVPNWTLRGTQLMNGTSMSSPNACGGIALILSGLKANNIDYTVHSVRRALENTAVKAD
NIEVFAQGHGIIQVDKAYDYLVQNTSFANKLGFTVTVGNNRGIYLRDPVQVAAPSDHGVGIEPVFPEPTE
NSEKISLQLHLALTSNSSWVQCPSHLELMNQCRHINIRVDPRGLREGLHYTEVCGYDIASPAGPLFRVP
ITAVIAAKVNESSHYDLAFTDVHFKPGQIRRHFIIEVPEGATWAEVTVCSSESVAKFVLHAVQLVKQRA
YRSHEFYKFCSLPEKGTLEAFPVLGGKAEFCIARWWASLSDVNIDYISFHGIVCTAPQLNIHASEGI
NRFVQSSLYEDLAPCITLKNWVQTLRPVSAKTKPLGSRDVLPNNRQLYEMVLTYNFHHQPKSGEVTSPSC
PLLCELLYSEFDSQLWIIFDQNKRQMGSGDAYPHQYSLKLEKGDYIIRLQIRHEQISDLERLKDLPFIV
SHRLSNTLSLDIHENHSFALLGKKSSNLTLPKYNQPFVTSPLPDDKIPKGAGPGCYLAGSLTSLKTEL
GKKADVIVPHYYLIPPTTKTKNGSKDKEKDLKEEFTEALRDLKIQWMTKLDSSDIYNELKETYP
NYLPLYVARLHQDAEKERMKRLNEIVDAANAVISHIDQTALAVYIAMKTDPRPDAATIKNDMDKQKSTL
VDALCRKGCALADHLLHTQAQDGAISTDAEGKEEESPLDSLAEFTWETTKWTDLFDNKVLTFAFKHAL
VNKMYGRGLKFATKLVEEKPTKENWKNCIQLMKLLGWTHCASFTENWLPIMYPDYCVF

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

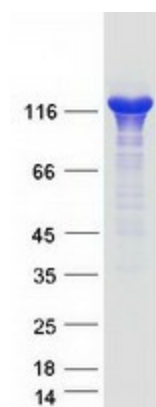
Tag:	C-Myc/DDK
Predicted MW:	138.2 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining



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Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_003282
Locus ID:	7174
UniProt ID:	P29144
RefSeq Size:	4716
Cytogenetics:	13q33.1
RefSeq ORF:	3747
Synonyms:	IMD78; TPP-2; TPP-II; TPPII
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]).