

## Product datasheet for **TP307917M**

### Tripeptidyl peptidase II (TPP2) (NM\_003291) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human tripeptidyl peptidase II (TPP2), 100 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC207917 protein sequence <b>Red</b> =Cloning site <b>Green</b> =Tags(s)

MATAATEEPFPFHGLLPKKETGAASFLCRYPEYDGRGVLIAVLDTGVDPGAPGMQVTTDGPKKIVDIIDT  
TGSGDVNTATEVEPKDGEIVGLSGRVLKIPASWTNPSGKYHIGIKNGYDFYPKALKERIQKERKEKIWDP  
VHRVALAEACRKQEEFDVANNGSSQANKLIKEELQSQVELLNSFEKKYSDPGPVYDCLVWHDGEVWRACI  
DSNEDGDLKSTVLRNYKEAQEYGSFGTAEMLNYSVNIYDDGNLLSIVTSGGAHGHVASIAAGHFPEEP  
ERNGVAPGAQILSIKIGDTRLSTMETGTGLIRAMIEVINHKCDLVNYSYGEATHWPNSGRICEVINEAVW  
KHNIIVSSAGNNGPCLSTVGCPCGGTSSVIGVGAYVSPDMMVAEYSLREKLPANQYTWSSRGPSADGAL  
GVSISAPGGAIASVPNWTLRGTQLMNGTSMSSPNACGGIALILSGLKANNIDYTVHSVRRALENTAVKAD  
NIEVFAQGHGIIQVDKAYDYLVQNTSFANKLGFTVTVGNNRGIYLRDPVQVAAPSDHGVGIEPVFPEPTE  
NSEKISLQLHLALTSNSSWVQCPHLELMNQCRHINIRVDPRLREGLHYTEVCGYDIASPAGPLFRVP  
ITAVIAAKVNESSHYDLAFTDVHFPGQIRRHFIIEVPEGATWAEVTVCSSESVAKFVLHAVQLVKQRA  
YRSHEFYKFCSLPEKGTLEAFPVLGGKAEFCIARWWASLSDVNIDYISFHGIVCTAPQLNIHASEGI  
NRFVQSSLYEDLAPCITLKNWVQTLRPVSAKTKPLGSRDVLNNRQLYEMVLTYNFHHQPKSGEVTSPSC  
PLLCELLYSEFDSQLWIIFDQNKRQMGSGDAYPHQYSLKLEKGDYTIQLRHEQISDLERLKDLPFIV  
SHRLSNTLSLDIHENHSFALLGKKSSNLTLPKYNQPFVTSPLPDDKIPKGAGPGCYLAGSLTSLKTEL  
GKKADVIVPHYYLIPPTTKTKNGSKDKEKDLKEEFTEALRDLKIQWMTKLDSSDIYNELKETYP  
NYLPLYVARLHQLDAEKERMKRLNEIVDAANAVISHIDQTALAVYIAMKTDPRPDAATIKNDMDKQKSTL  
VDALCRKGCALADHLLHTQAQDGAISTDAEGKEEESPLDSLAEFTWETTKWTDLFDNKVLTFAFKHAL  
VNKMYGRGLKFATKLVEEKPTKENWKNCIQLMKLLGWTHCASFTENWLPIMYPDYCVF

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

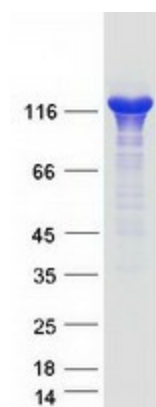
Tag:	C-Myc/DDK
Predicted MW:	138.2 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining



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