

Recombinant Human TPP2 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. TPP2-6449H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	TPP2 MS Standard C13 and N15-labeled recombinant protein (NP_003282) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	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.
Molecular Mass	138.3 kDa
AA Sequence	MATAATEEPFPPFHGLLPKKETGAASFLCRYPEYDGRGVLI AVLDTGVDPGAPGMQV TTDGKPKIVDII DTTGSGDVNTATEVEPKDGEIVGLSGRVLKIPASWTNPSGKYHIGIK NGYDFYPKALKERIQKERKEKIWDVPVHRVALAEACRKQEEFDVANNGSSQANKLIKE ELQSQVELLNSFEKKYSDPGPVYDCLVWHDGEVWRACIDSNEDGDLSKSTVLRNY KEAQEYGSFGTAEMLNYSVNIYDDGNLLSIVTSGGAHGTHVASIAAGHFPEEPERNG VAPGAQILSIKIGDTRLSTMETGTGLIRAMIEVINHKCDLVNYSYGEATHWPNSGRICE VINEAVWKHNIIYVSSAGNNGPCLSTVGCPGGTTSSVIGVGAYVSPDMMVAEYSLRE

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KLPANQYTWSSRGPSADGALGVSISAPGGAIASVPNWTLRGTQLMNGTSMSSPNA
 CGGIALILSGLKANNIDYTVHSVRRALENTAVKADNIEVFAQGHGIIQVDKAYDYLVQN
 TSFANKLGFTVTVGNNRGIYLRDPVQVAAPSDHGVGIEPVFPENTENSEKISLQLHLA
 LTSNSSWVQCPSHLELMNQCRHINIRVDPRGLREGLHYTEVCGYDIASPNAGPLFR
 VPITAVIAAKVNESSHYDLAFTDVHFKPGQIRRHFIIEVPEGATWAEVTVCSSESSEVSA
 KFVLHAVQLVKQRAYRSHEFYKFCSLPEKGTLEAFPVLGGKAIEFCIARWWASLSD
 VNIDYTISFHGIVCTAPQLNIHASEGINRFDVQSSLYEDLAPCITLKNWVQTLRPVSA
 KTKPLGSRDVLNNRQLYEMVLTYNFHQPKSGEVTTPSCPLLCELLYESEFDSQLWII
 FDQNKRMGSGDAYPHQYSLKLEKGDYTIRLQIRHEQISDLERLKDLPFIVSHRLSNT
 LSLDIHENHSFALLGKKKSSNLTLPKYNQPFVTSPLDDKIPKGAGPGCYLAGSLTL
 SKTELGKKADVIPVHYLIPPTKTKNGSKDKEKDSEKEKDLKEEFTEALRDLKIQWM
 TKLDSSDIYNELKETYPNYLPLYVARLHQLDAEKERMKRLNEIVDAANAVISHIDQTAL
 AVYIAMKTDPRPDAATIKNDMDKQKSTLVDALCRKGCALADHLLHTQAQDGAISTDA
 EGKEEEGESPLDSLAEFTWETTKWTDLFDNKLVTFAKHALVNKMYGRGLKFATKL
 VEEKPTKENWKNCIQLMKLLGWTHCASFTENWLPIMYPPDYCVFTRTRPLEQKLISE
 EDLAANDILDYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

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Gene Name	TPP2 tripeptidyl peptidase II [Homo sapiens (human)]
Official Symbol	TPP2
Synonyms	TPP2; tripeptidyl peptidase II; tripeptidyl-peptidase 2; TPP-II; tripeptidyl-peptidase II; tripeptidyl aminopeptidase; TPP-2; FLJ40359;
Gene ID	7174
mRNA Refseq	NM_003291
Protein Refseq	NP_003282
MIM	190470
UniProt ID	P29144
SDS-PAGE	