

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

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

## SPECIFICATION

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

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

KLPANQYTWSSRGPSADGALGVSISAPGGAIASVPNWTLRGTQLMNGTSMSSPNA  
 CGGIALILSGLKANNIDYTVHSVRRALENTAVKADNIEVFAQGHGIIQVDKAYDYLVQN  
 TSFANKLGFTVTVGNNRGIYLRDPVQVAAPSDHGVGIEPVFPENTENSEKISLQLHLA  
 LTSNSSWVQCPSHLELMNQCRHINIRVDPRGLREGLHYTEVCGYDIASPNAGPLFR  
 VPITAVIAAKVNESSHYDLAFTDVHFKPGQIRRHFIIEVPEGATWAEVTVCSSESSEVSA  
 KFVLHAVQLVKQRAYRSHEFYKFCSLPEKGTLEAFPVLGGKAIEFCIARWWASLSD  
 VNIDYTISFHGIVCTAPQLNIHASEGINRFDVQSSLYEDLAPCITLKNWVQTLRPVSA  
 KTKPLGSRDVLNNRQLYEMVLTYNFHQPKSGEVTTPSCPLLCELLYESEFDSQLWII  
 FDQNKRMGSGDAYPHQYSLKLEKGDYTIRLQIRHEQISDLERLKDLPFIVSHRLSNT  
 LSLDIHENHSFALLGKKKSSNLTLPKYNQPFVTSPLDDKIPKGAGPGCYLAGSLTL  
 SKTELGKKADVIPVHYLIPPTTKNGSKDKEKDSEKEKDLKEEFTEALRDLKIQWM  
 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

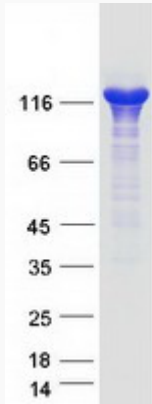
**Storage Buffer** 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

## GENE INFORMATION

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

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