

## Recombinant Human TPP1 Protein

Catalog #	Source	Reactivity	Applications
CRP2448	Human cells	Human	E, WB, SDS-PAGE, MS
<b>Description</b>	Recombinant Human TPP1 Protein is produced by our Mammalian expression system and the target gene encoding Ser20-Pro563 is expressed with a 6His tag at the C-terminus.		
<b>Form</b>	Liquid in a 0.2 µM filtered solution of 20mM Tris-HCl, 150mM NaCl, 1mM CaCl <sub>2</sub> , 10% Glycerol, pH 7.5.		
<b>Gene Symbol</b>	TPP1		
<b>Alternative Names</b>	CLN2; Tripeptidyl-peptidase 1; TPP-1; Cell growth-inhibiting gene 1 protein; Lysosomal pepstatin-insensitive protease; LPIC; Tripeptidyl aminopeptidase; Tripeptidyl-peptidase I; TPP-I		
<b>Entrez Gene</b>	1200 (Human)		
<b>SwissProt</b>	O14773 (Human)		
<b>Purity</b>	Greater than 95% as determined by reducing SDS-PAGE.		
<b>Chemical Structure</b>	<p>SYSPEPDQRR TLPPGWVSLG RADPEEELSL TFALRQQNVE RLSELVQAVS DPSSPQYGKY            LTLENVADLV RPSPLTLHTV QKWLLAAGA QKCHSVITQDF LTCWLSIRQA ELLLPGAEFH            HYVGGPTETH VVRSPHPYQL PQALAPHVDF VGGLHRFPPT SSLRQRPEPQ VTGTVGLHLG            VTPSVIRKRY NLTSQDVGSG TSNNSQACAQ FLEQYFHDS LAQFMRLFGG NFAHQASVAR            VVGQQGRGRA GIEASLDVQY LMSAGANIST WVYSSPGRHE GQEPFLQWLM LLSNESALPH            VHTVSYGDDE DSLSSAYIQR VNTELMKAAA RGLTLLFASG DSGAGCWSVS GRHEFRPTFP            ASSPYVTTVG GTSFQEPFLI TNEIVDYISG GGFSNVFPRP SYQEEAVTKF LSSSPHLPPS            SYFNASGRAY PDVAALSDGY WVVSNRVPPI WVSGTSASTP VFGGILSLIN EHRILSGRPP            LGFLNPRLYQ QHGAGLFDVT RGCHESCLDE EVEGQGFCSG PGWDPVTGWG TPNFPALLKT</p>		

**Application key:** E- ELISA, WB- Western blot, IH- Immunohistochemistry, IF- Immunofluorescence, FC- Flow cytometry, IC- Immunocytochemistry, IP- Immunoprecipitation, ChIP- Chromatin Immunoprecipitation, EMSA- Electrophoretic Mobility Shift Assay, BL- Blocking, SE- Sandwich ELISA, CBE- Cell-based ELISA, RNAi- RNA interference

**Species reactivity key:** H- Human, M- Mouse, R- Rat, B- Bovine, C- Chicken, D- Dog, G- Goat, Mk- Monkey, P- Pig, Rb- Rabbit, S- Sheep, Z- Zebrafish

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# Product Data Sheet

LLNPVDHHHH HH

**Quality Control**

Endotoxin: Less than 0.1 ng/μg (1 IEU/μg) as determined by LAL test.

**Directions for Use**

Always centrifuge tubes before opening. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

**Storage/Stability**

Store it at -20°C to -80°C for one year.

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