

Recombinant Human TPP1 protein, His-tagged

Cat. No. TPP1-329H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human Tripeptidyl-Peptidase I is produced by our Mammalian expression system and the target gene encoding Ser20-Pro563 is expressed with a 6His tag at the C-terminus.
Species	Human
Source	HEK293
ProteinLength	Ser20-Pro563
Description	Tripeptidyl-Peptidase 1 (TPP1) belongs to the peptidase S53 family. TPP1 is detected in all tissues examined with highest levels in heart and placenta and relatively similar levels in other tissues. TPP1 is lysosomal serine protease with tripeptidyl-peptidase I activity. TPP1 may act as a non-specific lysosomal peptidase which generates tripeptides from the breakdown products produced by lysosomal proteinases. TPP1 requires substrates with an unsubstituted N-terminus. TPP1 mutations have also been shown to cause neuronal ceroid lipofuscinosis type 2 (CLN2).
Form	Supplied as a 0.2 µm filtered solution of 20mM Tris-HCl, 150mM NaCl, 1mM CaCl ₂ , 10% Glycerol, pH 7.5.
Molecular Mass	23.94 kDa
Endotoxin	Less than 0.1 ng/g (1 EU/g) as determined by LAL test.

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Purity	Greater than 95% as determined by reducing SDS-PAGE.
Storage	Store at <-20°C, stable for 6 months after receipt. Please minimize freeze-thaw cycles.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 µg/µl. Centrifuge the vial at 4°C before opening to recover the entire contents.
Shipping	The product is shipped on dry ice/polar packs. Upon receipt, store it immediately at the temperature listed below.

GENE INFORMATION

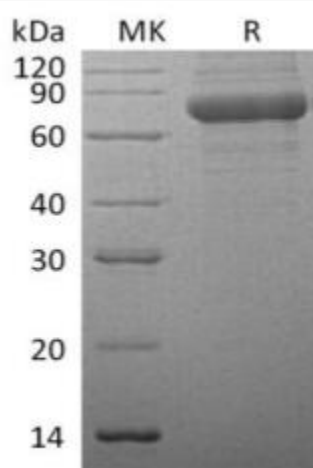
Gene Name	TPP1
Official Symbol	TPP1
Synonyms	Tripeptidyl-Peptidase 1; TPP-1; Cell Growth-Inhibiting Gene 1 Protein; Lysosomal PepstatinInsensitive Protease; LPIC; Tripeptidyl Aminopeptidase; Tripeptidyl-Peptidase I; TPP-I; TPP1; CLN2
Gene ID	1200
mRNA Refseq	NM_000391.4
Protein Refseq	NP_000382.3
MIM	607998
UniProt ID	O14773

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**SDS-PAGE of TPP1-
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