Recombinant Human TPP1

Catalog No: CA36

Description	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.
Source	Human Cells
Alternative name	Tripeptidyl-Peptidase 1; TPP-1; Cell Growth-Inhibiting Gene 1 Protein; Lysosomal Pepstatin-Insensitive Protease; LPIC; Tripeptidyl Aminopeptidase; Tripeptidyl-Peptidase I; TPP-I; TPP1; CLN2
Accession No.	O14773
Formulation	Supplied as a 0.2 μm filtered solution of 20mM TrisHCl,150mM NaCl,1mM GaCl2,10%Glycerol,pH7.5.
Quality Control	Purity: Greater than 95% as determined by reducing SDS-PAGE. Endotoxin: Less than 0.1 ng/μg (1 IEU/μg) as determined by LAL test.
Shipping	The product is shipped on dry ice/polar packs. Upon receipt, store it immediately at the temperature listed below.
Storage	Store at < -20°C, stable for 6 months after receipt. Please minimize freeze-thaw cycles.
Amino Acid Sequence	SYSPEPDQRRTLPPGWVSLGRADPEEELSLTFALRQQNVERLSELVQAVSDPSSPQYGKYLTLENVADL VRPSPLTLHTVQKWLLAAGAQKCHSVITQDFLTCWLSIRQAELLLPGAEFHHYVGGPTETHVVRSPHPYQ LPQALAPHVDFVGGLHRFPPTSSLRQRPEPQVTGTVGLHLGVTPSVIRKRYNLTSQDVGSGTSNNSQAC AQFLEQYFHDSDLAQFMRLFGGNFAHQASVARVVGQQGRGRAGIEASLDVQYLMSAGANISTWVYSSP GRHEGQEPFLQWLMLLSNESALPHVHTVSYGDDEDSLSSAYIQRVNTELMKAAARGLTLLFASGDSGAG CWSVSGRHEFRPTFPASSPYVTTVGGTSFQEPFLITNEIVDYISGGGFSNVFPRPSYQEEAVTKFLSSSP HLPPSSYFNASGRAYPDVAALSDGYWVVSNRVPIPWVSGTSASTPVFGGILSLINEHRILSGRPPLGFLNP RLYQQHGAGLFDVTRGCH ESCLDEEVEGQGFCSGPGWDPVTGWGTPNFPALLKTLLNPVDHHHHHH
Background	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).

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