

Product datasheet for **TP721045L**

TPP1 (NM_000391) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Human tripeptidyl peptidase I (TPP1)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	Ser20-Pro563
Tag:	C-His
Predicted MW:	23.94 kDa
Purity:	>95% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	Supplied as a 0.2 um filtered solution of 20mM Tris-HCl, 150mM NaCl, 1mM CaCl ₂ , 10% Glycerol, pH 7.5.
Endotoxin:	Endotoxin level is < 0.1 ng/μg of protein (< 1 EU/μg)
Storage:	Store at < -20°C, stable for 6 months after receipt. Please minimize freeze-thaw cycles.
Stability:	Stable for at least 3 months from date of receipt under proper storage and handling conditions.
RefSeq:	NP_000382
Locus ID:	1200
UniProt ID:	Q14773
RefSeq Size:	3540
Cytogenetics:	11p15.4
RefSeq ORF:	1689
Synonyms:	CLN2; GIG1; LPIC; SCAR7; TPP-1



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Summary: This gene encodes a member of the sedolisin family of serine proteases. The protease functions in the lysosome to cleave N-terminal tripeptides from substrates, and has weaker endopeptidase activity. It is synthesized as a catalytically-inactive enzyme which is activated and auto-proteolyzed upon acidification. Mutations in this gene result in late-infantile neuronal ceroid lipofuscinosis, which is associated with the failure to degrade specific neuropeptides and a subunit of ATP synthase in the lysosome. [provided by RefSeq, Jul 2008]

Protein Families: Protease

Protein Pathways: Lysosome