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Datasheet for ABIN7319430 TPP1 Protein (His tag)



Overview	
Quantity:	50 µg
Target:	TPP1
Origin:	Human
Source:	Human Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This TPP1 protein is labelled with His tag.
Product Details	
Purpose:	Recombinant Human TPP1/CLN2 Protein (His Tag)
Sequence:	Ser20-Pro563
Characteristics:	Recombinant Human TPP1 is produced by our Mammalian expression system and the target gene encoding Ser20-Pro563 is expressed with a 6His tag at the C-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per μ g as determined by the LAL method.
Target Details	
Target:	TPP1
Alternative Name:	TPP1/CLN2 (TPP1 Products)

Background: 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.

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Target Details

	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).
	Synonym: Tripeptidyl-Peptidase 1, TPP-1, Cell Growth-Inhibiting Gene 1 Protein, Lysosomal
	Pepstatin-Insensitive Protease, LPIC, Tripeptidyl Aminopeptidase, TPP1,
	CLN2,GIG1,LPIC,SCAR7,TPP-1
Molecular Weight:	60.35 kDa
UniProt:	014773
Pathways:	Cell Division Cycle, ER-Nucleus Signaling
Application Details	
Restrictions:	For Research Use only
Handling	
Format:	Frozen, Liquid
Buffer:	Supplied as a 0.2 μm filtered solution of 20 mM TrisHCl,150 mM NaCl,1 mM GaCl2,10 %
	Glycerol, pH 7.5.
Storage:	-20 °C