Recombinant Human TPP1/CLN2 Protein (His Tag)

Catalog No. PKSH033493

Note: Centrifuge before opening to ensure complete recovery of vial contents.

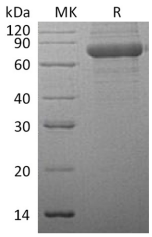
Description

Synonyms	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
Species	Human
Expression Host	HEK293 Cells
Sequence	Ser20-Pro563
Accession	AAH14863.1
Calculated Molecular Weight	60.4 kDa
Observed molecular weight	74 kDa
Tag	C-His
Bioactivity	Not validated for activity

Properties

Purity	> 95 % as determined by reducing SDS-PAGE.
Endotoxin	< 1.0 EU per μg of the protein as determined by the LAL method.
Storage	Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.
Shipping	This product is provided as liquid. It is shipped at frozen temperature with blue ice/gel packs. Upon receipt, store it immediately at < - 20°C.
Formulation	Supplied as a 0.2 μm filtered solution of 20mM Tris-HCl, 150mM NaCl, 1mM $CaCl_2$, 10% Glycerol, pH 7.5.
Reconstitution	Not Applicable

Data



> 95 % as determined by reducing SDS-PAGE.

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

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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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