Recombinant Human Tripeptidyl-peptidase 1/TPP1 Protein

RPCB2197

Product Information

Product SKU:	RPCB2197	**Gene ID**:	1200	**Size**:	50µg
Tag:	C-His	**Reactivity**:	Human		

Additional Information

Expression Host:	Baculovirus-Insect Cells	**Swissprot:**	O14773
Purity:	> 95% by SDS-PAGE.		

Protein Information

Background: Tripeptidyl-peptidase 1 (TPP1 / CLN2) is 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. TPP1 / CLN2 may act as a non-specific lysosomal peptidase which generates tripeptides from the breakdown products produced by lysosomal proteinases. Defects in TPP1 / CLN2 are the cause of neuronal ceroid lipofuscinosis type 2 (CLN2), a form of neuronal ceroid lipofuscinosis which is associated with the failure to degrade specific neuropeptides and a subunit of ATP synthase in the lysosome. Neuronal ceroid lipofuscinoses are progressive neurodegenerative, lysosomal storage diseases characterized by intracellular accumulation of autofluorescent liposomal material, and clinically by seizures, dementia, visual loss, and/or cerebral atrophy.

Protein Description: High quality, high purity and low endotoxin recombinant Recombinant Human Tripeptidyl-peptidase 1/TPP1 Protein , tested reactivity in Baculovirus-Insect Cells and has been validated in SDS-PAGE.100% guaranteed.

Endotoxin: < 1 EU/µg of the protein by LAL method.

Formulation: Supplied as a 0.22 µm filtered solution in 20mM Tris, 500mM NaCl, pH 7.4, 10% gly. Contact us for customized product form or formulation.

Contact Details | Dublin, Ireland
Email: techsupport@assaygenie.com | **Web:** www.assaygenie.com

Storage: Store at -70℃. This product is stable at ≤ -70℃ for up to 1 year from the date of receipt. For optimal storage, aliquot into smaller quantities after centrifugation and store at recommended temperature. Avoid repeated freeze-thaw cycles.

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