Datasheet for ABIN1880669

PPT1 Protein (AA 28-306) (His tag)

Go to Product page

Overview

Quantity:	50 µg
Target:	PPT1
Protein Characteristics:	AA 28-306
Origin:	Human
Source:	Human Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This PPT1 protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human Palmitoyl-Protein Thioesterase 1/PPT1 (C-6His)
Sequence:	DPPAPLPLVI WHGMGDSCCN PLSMGAIKKM VEKKIPGIYV LSLEIGKTLM EDVENSFFLN VNSQVTTVCQ ALAKDPKLQQ GYNAMGFSQG GQFLRAVAQR CPSPPMINLI SVGGQHQGVF GLPRCPGESS HICDFIRKTL NAGAYSKVVQ ERLVQAEYWH DPIKEDVYRN HSIFLADINQ ERGINESYKK NLMALKKFVM VKFLNDSIVD PVDSEWFGFY RSGQAKETIP LQETSLYTQD RLGLKEMDNA GQLVFLATEG DHLQLSEEWF YAHIIPFLGV DHHHHHH
Characteristics:	Recombinant Human Palmitoyl-protein thioesterase 1/PPT1 is produced by our mammalian expression system in human cells. The target protein is expressed with sequence (Asp28-Gly306) of Human PPT1 fused with a polyhistidine tag at the C-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Sterility:	0.2 µm filtered
Endotoxin Level:	Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test

Target Details

Target:	PPT1
Alternative Name:	PPT1 (PPT1 Products)
Sub Type:	Fusionprotein
Background:	Palmitoyl-protein thioesterase 1(PPT-1 for short), also known as Palmitoyl-protein hydrolase 1, belongs to the palmitoyl-protein thioesterase family. It is a small glycoprotein involved in the catabolism of lipid-modified proteins during lysosomal degradation. This enzyme removes thioester-linked fatty acyl groups such as palmitate from modified cysteine residues in proteins or peptides during lysosomal degradation. Defects in PPT1 are the cause of neuronal ceroid lipofuscinosis type 1. Alternative Names: Palmitoyl-protein thioesterase 1(PPT-1 for short), also known as Palmitoyl-protein hydrolase 1, belongs to the palmitoyl-protein thioesterase family.
Molecular Weight:	32.3 kDa
UniProt:	P50897
Pathways:	SARS-CoV-2 Protein Interactome

Application Details

Restrictions:	For Research Use only

Handling

Format:	Liquid
Reconstitution:	It is not recommended to reconstitute to a concentration less than 100 µg/mL. Dissolve the lyophilized protein in ddH2O. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.
Buffer:	Supplied as a 0.2 µm filtered solution of 20 mM TrisHCl,150 mM NaCl,10 % Glycerol, pH 7.5.
Handling Advice:	Always centrifuge tubes before opening. Do not mix by vortex or pipetting.
Storage:	-80 °C
Storage Comment:	Store at < -20°C, stable for 6 months after receipt. Please minimize freeze-thaw cycles.
Expiry Date:	6 months