

Product datasheet

Recombinant Human PPT1/PPT protein ab116764

1 Image

Description	
Product name	Recombinant Human PPT1/PPT protein
Expression system	Wheat germ
Accession	<u>P50897</u>
Protein length	Full length protein
Animal free	No
Nature	Recombinant
Species	Human
Sequence	MASPGCLWLLAVALLPWTCASRALQHLDPPAPLPLVWH GMGDSCCNPLS MGAIKKMVEKKIPGMVLSLEIGKTLMEDVENSFFLNVNSQ VTTVCQALA KDPKLQQGYNAMGFSQGGQFLRAVAQRCPSPPMINLISV GGQHQQGVFGLP RCPGESSHICDFIRKTLNAGAYSKVVQERLVQAEYWHDP KEDVYRNHSI FLADINQERGINESYKKNLMALKKFVMVKFLNDSMDPVDS EWFGFYRSG QAKETIPLQETSLYTQDRLGLKEMDNAGQLVFLATEGDHL QLSEEWFYAH IIPFLG
Predicted molecular weight	60 kDa including tags
Amino acids	1 to 306

Specifications	
Our Abpromise guarantee covers the use of ab116764 in the following tested applications.	
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.	
Applications	ELISA SDS-PAGE Western blot
Form	Liquid
Additional notes	This product was previously labelled as PPT1.

Preparation and Storage

Stability and Storage

Shipped on dry ice. Upon delivery aliquot and store at -80°C. Avoid freeze / thaw cycles.

pH: 8.00

Constituents: 0.3% Glutathione, 0.79% Tris HCl

General Info

Function

Removes thioester-linked fatty acyl groups such as palmitate from modified cysteine residues in proteins or peptides during lysosomal degradation. Prefers acyl chain lengths of 14 to 18 carbons.

Involvement in disease

Defects in PPT1 are the cause of neuronal ceroid lipofuscinosis type 1 (CLN1) [MIM:256730]. A form of neuronal ceroid lipofuscinosis with variable age at onset. Infantile, late-infantile, juvenile, and adult onset have been reported. 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. The lipopigment pattern seen most often in CLN1 is referred to as granular osmiophilic deposits (GROD).

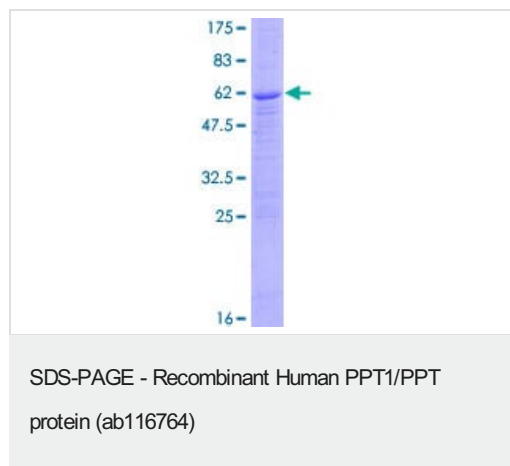
Sequence similarities

Belongs to the palmitoyl-protein thioesterase family.

Cellular localization

Lysosome.

Images



12.5% SDS-PAGE analysis of ab116764 at approximately 59.73kDa, stained with Coomassie Blue.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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