

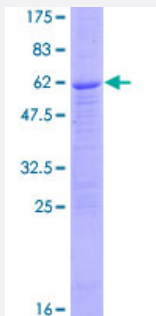
Full-Length

PPT1 (Human) Recombinant Protein (P01)

Catalog # H00005538-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human PPT1 full-length ORF (NP_000301.1, 1 a.a. - 306 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MASPGCLWLLAVALLPWTCASRALQHLDPPAPLPLVWHGMGDSCCNPLSMGAIKKMVEKKIPG
IVLSLEIGKTLMEDVENSFFLNVNSQVTTVCQALAKDPKLQQGYNAMGFSQGGQFLRAVAQRCP
SPPMINLISVGGQHQGVFGLPRCPGESSHICDFIRKTLNAGAYSKVQERLVQAEYWHDKEDVY
RNHSIFLADINQERGINESYKKNLMAKKFVMVKFLNDSIVDPVDSEWFGFYRSGQAKETIPLQETS
LYTQDRLGLKEMDNAGQLVFLATEGDHLQLSEEWFYAHIIIFLG

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

60.6

Preparation Method

[in vitro wheat germ expression system](#)

Purification

Glutathione Sepharose 4 Fast Flow

Quality Control Testing

12.5% SDS-PAGE Stained with Coomassie Blue.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

Storage Instruction

Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Note

Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — PPT1

Entrez GeneID	5538
GeneBank Accession#	NM_000310.2
Protein Accession#	NP_000301.1
Gene Name	PPT1
Gene Alias	CLN1, INCL, PPT
Gene Description	palmitoyl-protein thioesterase 1
Omim ID	256730 600722
Gene Ontology	Hyperlink
Gene Summary	The protein encoded by this gene is a small glycoprotein involved in the catabolism of lipid-modified proteins during lysosomal degradation. The encoded enzyme removes thioester-linked fatty acyl groups such as palmitate from cysteine residues. Defects in this gene are a cause of infantile neuronal ceroid lipofuscinosis 1 (CLN1, or INCL) and neuronal ceroid lipofuscinosis 4 (CLN4). Two transcript variants encoding different isoforms have been found for this gene
Other Designations	OTTHUMP00000004836 ceroid-palmitoyl-palmitoyl-protein thioesterase 1 palmitoyl-protein hydrolase 1

Pathway

- [Fatty acid elongation in mitochondria](#)
- [Lysosome](#)

- [Metabolic pathways](#)

Disease

- [Dominance](#)
- [Neuronal Ceroid-Lipofuscinoses](#)
- [Schizophrenia](#)