

# Recombinant Full Length Human PPT1 Protein, GST-tagged

Cat. No. PPT1-29543TH Lot. No. (See product label)

## SPECIFICATION

<b>Product Overview</b>	Recombinant full length Human PPT1 protein with an N terminal proprietary tag; Predicted MW 59.73 kDa.
<b>Species</b>	Human
<b>Source</b>	Wheat Germ
<b>ProteinLength</b>	1-306 a.a.
<b>Description</b>	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.
<b>Molecular Weight</b>	59.730kDa inclusive of tags
<b>Form</b>	Liquid
<b>Purity</b>	Proprietary Purification
<b>Storage buffer</b>	pH: 8.00 Constituents: 0.79% Tris HCl, 0.3% Glutathione
<b>Storage</b>	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw

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cycles.

**Sequences of amino acids**

MASPGCLWLLAVALLPWTCASRALQHLDPPAPLPLVIWHG MGDSCCNPLSMGAIK  
 KMVEKKIPGIYVLSLEIGKTLMEDV ENSFFLNVNSQVTTVCQALAKDPKLQQGYNAM  
 GFSQGGQF LRAVAQRCPSPPMINLISVGGQHQQGVFGLPRCPGESSHIC DFIRKTLN  
 AGAYSKVVQERLVQAEYWHDPKEDVYRNHSI FLADINQERGINESYKKNLMALKKF  
 VMVKFLNDSIVDPVD SEWFGFYRSGQAKETIPLQETSLYTQDRLGLKEMDNAGQL  
 VFLATEGDHLQLSEEWFYAHIIPFLG

**Sequence Similarities**

Belongs to the palmitoyl-protein thioesterase family.

## GENE INFORMATION

**Gene Name**

[PPT1 palmitoyl-protein thioesterase 1 \[ Homo sapiens \]](#)

**Official Symbol**

[PPT1](#)

**Synonyms**

PPT1; palmitoyl-protein thioesterase 1; PPT; ceroid lipofuscinosis; neuronal 1; infantile; CLN1; INCL;

**Gene ID**

[5538](#)

**mRNA Refseq**

[NM\\_000310](#)

**Protein Refseq**

[NP\\_000301](#)

**MIM**

[600722](#)

**Uniprot ID**

[P50897](#)

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<b>Chromosome Location</b>	1p32
<b>Pathway</b>	Fatty acid elongation, organism-specific biosystem; Fatty acid elongation, conserved biosystem; Lysosome, organism-specific biosystem; Lysosome, conserved biosystem; Metabolic pathways, organism-specific biosystem;
<b>Function</b>	hydrolase activity; palmitoyl-(protein) hydrolase activity; palmitoyl-(protein) hydrolase activity; palmitoyl-(protein) hydrolase activity; palmitoyl-CoA hydrolase activity;

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