

Recombinant Full Length Human PPT1 Protein, His-tagged

Cat. No. PPT1-652H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human PPT1, transcript variant 1, fused with His tag at N-terminal was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	1-306 a.a.
Description	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.
Form	25mM Tris, pH8.0, 150 mM NaCl, 10% glycerol, 1 % Sarkosyl. Store at -80 centigrade. Avoid repeated freeze-thaw cycles. Stable for at least 3 months from receipt of products under proper storage and handling conditions.
Molecular Mass	34.2 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration	>50 ug/mL as determined by microplate BCA method

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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; PPT-1; palmitoyl-protein hydrolase 1; ceroid-palmitoyl-palmitoyl-protein thioesterase 1;

Gene ID 5538

mRNA Refseq NM_000310

Protein Refseq NP_000301

MIM 600722

UniProt ID P50897

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