PRODUCT INFORMATION

Target	PPT1
Synonyms	CLN1;PPT
Description	Recombinant human PPT1 protein with C-terminal 6×His tag
Delivery	In Stock
Uniprot ID	P50897
Expression Host	HEK293
Tag	C-6×His Tag
Molecular Characterization	PPT1(Asp28-Gly306) 6×His tag
Molecular Weight	The protein has a predicted molecular mass 32.1 of kDa after removal of the signal peptide. The apparent molecular mass of PPT1-His is approximately 33-40 kDa due to glycosylation.
Purity	The purity of the protein is greater than 85% as determined by SDS-PAGE and Coomassie blue staining.
Formulation & Reconstitution	Lyophilized from sterile PBS, pH 7.4. Normally 5 % – 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis for specific instructions of reconstitution.
Storage&Shipping	Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.
Background	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.[provided by RefSeq, Dec 2008]
Usage	Research use only
Conjugate	Unconjugated

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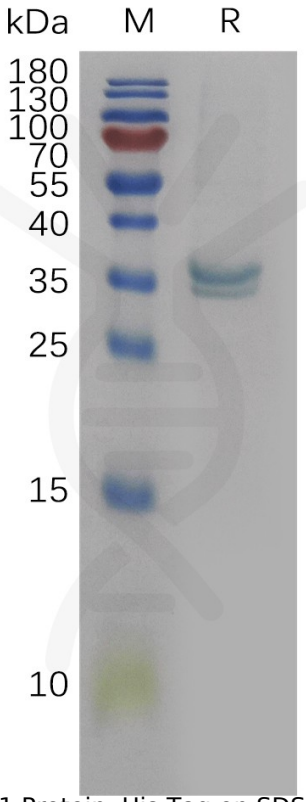


Figure 1. Human PPT1 Protein, His Tag on SDS-PAGE under reducing condition.

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