

HUMAN PPT1 PROTEIN, HIS TAG

Cat.#: 11792

Product Name: Human PPT1 Protein

Size: 10 µg, 50 µg and 100 µg

Synonyms: CLN1;PPT

Target: PPT1

UNIPROT ID: P50897

Description: Recombinant human PPT1 protein with C-terminal 6xHis tag

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]

Species/Host: HEK293

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.

Molecular Characterization: PPT1(Asp28-Gly306) 6×His tag

Purity: The purity of the protein is greater than 85% as determined by SDS-PAGE and Coomassie blue staining.

Formulation & Reconstitution: Lyophilized from nanodisc solubilization buffer (20 mM Tris-HCl, 150 mM NaCl, pH 8.0). Normally 5% – 8% trehalose is added as protectants before lyophilization.

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.



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