

## 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.