



Recombinant Protein Technical Manual

Recombinant Human PPT1 Protein (His Tag)

RPES1114

Product Data:

Product SKU: RPES1114

Size: 10µg

Species: Human

Expression host: Human Cells

Uniprot: P50897

Protein Information:

Molecular Mass: 32.3 kDa

AP Molecular Mass: 37 kDa

Tag: C-6His

Bio-activity:

Purity: > 90 % as determined by reducing SDS-PAGE.

Endotoxin: < 1.0 EU per µg as determined by the LAL method.

Storage: Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.

Shipping: This product is provided as liquid. It is shipped at frozen temperature with blue ice/gel packs. Upon receipt, store it immediately at < -20°C.

Formulation: Supplied as a 0.2 µm filtered solution of 20mM TrisHCl, 150mM NaCl, 10% Glycerol, pH 7.5.

Reconstitution: Please refer to the printed manual for detailed information.

Application:

Synonyms: Palmitoyl-protein thioesterase 1; PPT; Palmitoyl-protein hydrolase 1; PPT1

Immunogen Information:

Sequence: Asp28-Gly306

Background:

Palmitoyl-protein thioesterase 1 (PPT for short), also known as Palmitoyl-protein hydrolase 1, belongs to the palmitoyl-protein thioesterase family. It is a small glycoprotein involved in the catabolism of lipid-modified proteins during lysosomal degradation. This enzyme removes thioester-linked fatty acyl groups such as palmitate from modified cysteine residues in proteins or peptides during lysosomal degradation. Defects in PPT1 are the cause of neuronal ceroid lipofuscinosis type 1.