

Product Information

MemDX™ Membrane Protein Human PPT1 (Palmitoyl-protein thioesterase 1) Expressed in *E.coli*, Full Length

Cat. No.: **MPX1984K**

This product is for research use only and is not intended for diagnostic use.

This product is a Human PPT1 protein expressed in *E.coli*. The protein is for research use only and is not approved for use in humans or in clinical diagnosis.

Product Specifications

Host Species

Human

Target Protein

PPT1

Protein Length

Full Length

Protein Class

Hydrolase

Molecular Weight

34.2 kDa

Sequence

MASPGCLWLLAVALLPWTCAASRALQHLDPPAPLPLVIWHGMGDSCCNPLSMGAIKKMVEKKIPGIYVLSLEIGKTLMEDVENSFFL

Product Description

Expression Systems

E.coli

Tag

His tag at the N-terminus

Protein Format

Soluble

Form

Liquid

Purity

> 80% as determined by SDS-PAGE and Coomassie blue staining

Buffer

25mM Tris, 150 mM NaCl, 10% glycerol, 1 % Sarkosyl, pH8.0

Storage

Aliquot and store at -20°C or lower. For long term storage, we recommend to store at -70°C or lower. Avoid freeze/thaw cycles.

Target

Target Protein

PPT1

Full Name

Palmitoyl-protein thioesterase 1

Introduction

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.

Alternative Names

PPT; CLN1; INCL; palmitoyl-protein thioesterase 1; ceroid-palmitoyl-palmitoyl-protein thioesterase 1; palmitoyl-protein hydrolase 1

Gene ID

[5538](#)

UniProt ID

[P50897](#)