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Product Information

MemDX™ Membrane Protein Human PPT1 (Palmitoyl-protein thioesterase 1) Expressed in HEK293, Partial (28-306aa)

Cat. No.: **MPX1983K**
This product is for research use only and is not intended for diagnostic use.

This product is a Human PPT1 protein expressed in HEK293. 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
Partial (28-306aa)

Protein Class
Hydrolase

Molecular Weight
32 kDa

Sequence
DPPAPLPLVIWHGMGDSCCNPLSMGAIKKMVEKKIPGIYVLSLEIGKTLM
EDVENSFFLNVNSQVTTVCQALAKDPKLQQGYNAMGFSQGGQFLRAVAQR
CPSPPMINLISVGGQHQGVFGLPRCPGESSHICDFIRKTLNAGAYSKVVQ
ERLVQAEYWHDPIKEDVYRNHSIFLADINQERGINESYKKNLMALKKFVM
VKFLNDSIVDPVDSEWFGFYRSGQAKETIPLQETSLYTQDRLGLKEMDNA
GQLVFLATEGDHLQLSEEWFYAHIIPFLGVDHHHHHH

Product Description

Expression Systems
HEK293

Tag
His tag at the C-terminus

Protein Format
Soluble

Form

Liquid

Endotoxin

< 1.000 Eu per μg

Purity

> 95 % SDS-PAGE.

Buffer

10% Glycerol (glycerin, glycerine), 0.87% Sodium chloride, 0.32% Tris HCl, pH:7.5

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

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