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Product Information

MemDX™ Membrane Protein Human PEDS1 (Plasmanylethanolamine desaturase 1)

Expressed *in vitro E.coli* expression system, Full Length

Cat. No.: **MPX1538K**
This product is for research use only and is not intended for diagnostic use.

This product is a Human PEDS1 membrane protein expressed *in vitro E.coli* expression system. 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
PEDS1

Protein Length
Full Length

Protein Class
Oxidoreductase

TMD
3

Sequence
MAGAENWPGQQLELDEDEASCCRWGAQHAGARELAALYSPGKRLQEWCSVILCFSLIAHNLVHLLLLARWEDTPLVILGVVAGALI

Product Description

Expression Systems
in vitro E.coli expression system

Tag
10xHis tag at the N-terminus

Protein Format
Soluble

Form
Liquid or Lyophilized powder

Buffer

Tris/PBS-based buffer, 6% Trehalose, pH 8.0

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

PEDS1

Full Name

Plasmanylethanolamine desaturase 1

Introduction

Co-transcription of this gene and the neighboring downstream gene (ubiquitin-conjugating enzyme E2 variant 1) generates a rare read-through transcript, which encodes a fusion protein comprised of sequence sharing identity with each individual gene product. The protein encoded by this individual gene lacks a UEV1 domain but includes three transmembrane regions. Alternative splicing results in multiple transcript variants.

Alternative Names

PEDS1; KUA; CarF; TMEM189; plasmanylethanolamine desaturase; transmembrane protein 189; Plasmanylethanolamine desaturase 1

Gene ID

387521

UniProt ID

A5PLL7