SUITE 203, 17 Ramsey Road, Shirley, NY 11967, USA
Tel: 1-631-416-1478 Fax: 1-631-207-8356
Email: info@creative-biolabs.com
www.creative-biolabs.com

Product Information

MemDX™ Membrane Protein Human MPDU1 (Mannose-P-dolichol utilization defect 1)

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

Cat. No.: **MPX2894K**
This product is for research use only and is not intended for diagnostic use.

This product is a Human MPDU1 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
MPDU1

Protein Length
Full Length of Mature Protein

Protein Class
Transport

TMD
7

Sequence
AAEADGPLKRLLVPILLPEKCYDQLFVQWDLLHVPCLKILLSKGLGLGIVAGSLLVKLPQVFKILGAKSAEGLSLQSVMLELVALTGTM

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

MPDU1

Full Name

Mannose-P-dolichol utilization defect 1

Introduction

This gene encodes an endoplasmic reticulum membrane protein that is required for utilization of the mannose donor mannose-P-dolichol in the synthesis of lipid-linked oligosaccharides and glycosylphosphatidylinositols. Mutations in this gene result in congenital disorder of glycosylation type If. Alternative splicing results in multiple transcript variants.

Alternative Names

MPDU1; SL15; CDGIF; Lec35; My008; PQLC5; PP3958; SLC66A5; HBEBP2BPA; HBeAg-binding protein 2 binding protein A; suppressor of Lec15 and Lec35 glycosylation mutation homolog; Mannose-P-dolichol utilization defect 1

Gene ID

9526

UniProt ID

O75352