

Product Information

MemDX™ Membrane Protein Mouse Mpdu1 (Mannose-P-dolichol utilization defect 1)

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

Cat. No.: **MPX2895K**

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

This product is a Mouse 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

Mouse

Target Protein

Mpdu1

Protein Length

Full Length of Mature Protein

Protein Class

Transport

TMD

7

Sequence

AGEADGRFKGLLPILLPEKCYDQLFVQWDLHVPCLKILLSKGLGLGIVAGSLLVKLPQVFKLLGAKSAEGLSLQSVMLELVALTGT

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 a member of the PQ-loop superfamily. A similar gene in human encodes a protein that is required for monosaccharide-P-dolichol-dependent glycosyltransferase reactions, and disruption of this gene is the cause of congenital disorder of glycosylation (CDG) type 1F, a disease linked to defects in protein N-glycosylation. Alternative splicing results in multiple transcript variants.

Alternative Names

Mpdu1; SL; LEC3; SL15; Supl; LEC35; Supl15h; suppressor of Lec15 and Lec35 glycosylation mutation homolog; suppressor of Lec15 homolog (C.griseus); Mannose-P-dolichol utilization defect 1

Gene ID

[24070](#)

UniProt ID

[Q9R0Q9](#)