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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
AGEADGRFKGLLVPILLPEKCYDQLFVQWDLLHVPCLKILLSKGLGLGIVAGSLLVKLPQVFKLLGAKSAEGLSLQSVMLELVALTGT

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

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