

# Product Information

## **MemDX™ Membrane Protein Human DPM3 (Dolichyl-phosphate mannosyltransferase subunit 3, regulatory) Full Length**

Cat. No.: **MPC4198K**

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

This product is a made-to-order Human DPM3 membrane 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**

DPM3

#### **Protein Length**

Full length

#### **Protein Class**

Receptor

#### **TMD**

2

#### **Sequence**

MTKLAQWLWGLAILGSTWVALTTGALGLELPLSCQEVLWPLPAYLLVSAG  
CYALGTVGYRVATFHDCEDAARELQSQIQEARADLARRGLRF

### Product Description

#### **Expression Systems**

HEK293

#### **Tag**

Based on specific requirements

#### **Protein Format**

Detergent or based on specific requirements (Detergent, Liposome, Nanodisc, Polymer, VLP)

#### **Form**

Liquid

#### **Storage**

Aliquot and store at -20°C or lower. For long term storage, we recommend to store at -72°C or lower. Avoid freeze/thaw cycles.

## Target

### Target Protein

DPM3

### Full Name

Dolichyl-phosphate mannosyltransferase subunit 3, regulatory

### Introduction

Dolichol-phosphate mannose (Dol-P-Man) serves as a donor of mannosyl residues on the luminal side of the endoplasmic reticulum (ER). Lack of Dol-P-Man results in defective surface expression of GPI-anchored proteins. Dol-P-Man is synthesized from GDP-mannose and dolichol-phosphate on the cytosolic side of the ER by the enzyme dolichyl-phosphate mannosyltransferase. The protein encoded by this gene is a subunit of dolichyl-phosphate mannosyltransferase and acts as a stabilizer subunit of the dolichyl-phosphate mannosyltransferase complex.

### Alternative Names

DPM3; CDG10; MDDGB15; MDDGC15; DPM synthase complex subunit 3; DPM synthase subunit 3; MPD synthase subunit 3; dolichol-phosphate mannose synthase subunit 3; dolichyl-phosphate beta-D-mannosyltransferase subunit 3; dolichyl-phosphate mannosyltransferase polypeptide 3; mannose-P-dolichol synthase subunit 3; prostin 1; testicular tissue protein Li 58; Dolichyl-phosphate mannosyltransferase subunit 3, regulatory

### Gene ID

[54344](#)

### UniProt ID

[Q9P2X0](#)