

Recombinant Human DPM3 293 Cell Lysate

Cat. No. DPM3-6833HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for dolichyl-phosphate mannosyltransferase polypeptide 3 (DPM3), transcript variant 1 is a lysate prepared from HEK293T cells transiently transfected with a TrueORF gene-carrying pCMV plasmid and then lysed in RIPA Buffer. Protein concentration was determined using a colorimetric assay. The antigen control carries a C-terminal Myc/DDK tag for detection.
Components	This product includes 3 vials: 1 vial of gene-specific cell lysate, 1 vial of control vector cell lysate, and 1 vial of loading buffer. Each lysate vial contains 0.1 mg lysate in 0.1 ml (1 mg/ml) of RIPA Buffer (50 mM Tris-HCl pH7.5, 250 mM NaCl, 5 mM EDTA, 50 mM NaF, 1% NP40). The loading buffer vial contains 0.5 ml 2X SDS Loading Buffer (125 mM Tris-Cl, pH6.8, 10% glycerol, 4% SDS, 0.002% Bromophenol blue, 5% beta-mercaptoethanol).
Size	0.1 mg
Storage Instruction	Store at -80°C. Minimize freeze-thaw cycles. After addition of 2X SDS Loading Buffer, the lysates can be stored at -20°C. Product is guaranteed 6 months from the date of shipment.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Applications

ELISA, WB, IP. WB: Mix equal volume of lysates with 2X SDS Loading Buffer. Boil the mixture for 10 min before loading (for membrane protein lysates, incubate the mixture at room temperature for 30 min). Load 5 ug lysate per lane.

GENE INFORMATION
Gene Name

DPM3 dolichyl-phosphate mannosyltransferase polypeptide 3 [Homo sapiens]

Official Symbol

DPM3

Synonyms

DPM3; dolichyl-phosphate mannosyltransferase polypeptide 3; dolichol-phosphate mannosyltransferase subunit 3; MGC34275; MGC125904; MGC125905; prostin 1; prostin-1; MPD synthase subunit 3; DPM synthase complex subunit 3; mannose-P-dolichol synthase subunit 3; dolichol-phosphate mannose synthase subunit 3; dolichyl-phosphate beta-D-mannosyltransferase subunit 3; CDG10;

Gene ID

54344

mRNA Refseq

NM_018973

Protein Refseq

NP_061846

MIM

605951

UniProt ID

Q9P2X0

**Chromosome
Location**

1q22

Pathway

Asparagine N-linked glycosylation, organism-specific biosystem; Biosynthesis of the N-glycan precursor (dolichol lipid-linked oligosaccharide, LLO) and transfer to a

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nascent protein, organism-specific biosystem; Metabolic pathways, organism-specific biosystem; Metabolism of proteins, organism-specific biosystem; N-Glycan biosynthesis, organism-specific biosystem; N-Glycan biosynthesis, conserved biosystem; Post-translational modification: synthesis of GPI-anchored proteins, organism-specific biosystem;

Function

contributes_to dolichyl-phosphate beta-D-mannosyltransferase activity; protein binding;

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