

Recombinant Human DPM2 293 Cell Lysate

Cat. No. DPM2-6834HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for dolichyl-phosphate mannosyltransferase polypeptide 2, regulatory subunit (DPM2) 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.

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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 DPM2 dolichyl-phosphate mannosyltransferase polypeptide 2, regulatory subunit [Homo sapiens]

Official Symbol DPM2

Synonyms DPM2; dolichyl-phosphate mannosyltransferase polypeptide 2, regulatory subunit; dolichol phosphate-mannose biosynthesis regulatory protein; MGC21559; MGC111193; dolichol phosphate-mannose synthase 2; FLJ80013;

Gene ID 8818

mRNA Refseq NM_003863

Protein Refseq NP_003854

MIM 603564

UniProt ID O94777

Chromosome Location 9q34.13

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

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anchor biosynthesis, organism-specific biosystem; Glycosylphosphatidylinositol(GPI)-
anchor biosynthesis, conserved biosystem; Metabolic pathways, organism-specific
biosystem; Metabolism of proteins, organism-specific biosystem; N-Glycan
biosynthesis, organism-specific biosystem;

Function

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

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