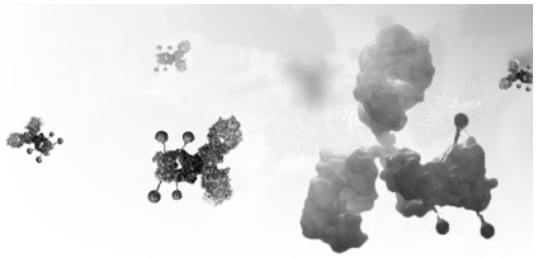

Human DPM1 blocking peptide (CDBP1041)

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

PRODUCT INFORMATION

Product Overview	Blocking/Immunizing peptide for anti-DPM1 antibody
Antigen Description	Dolichol-phosphate mannose (Dol-P-Man) serves as a donor of mannosyl residues on the lumenal 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. Human DPM1 lacks a carboxy-terminal transmembrane domain and signal sequence and is regulated by DPM2.
Species	Human
Conjugate	Unconjugated
Applications	Apuri, BL, ELISA
Format	Lyophilized powder
Size	100 µg
Preservative	None
Storage	Shipped at ambient temperature, store at -20°C.

GENE INFORMATION

Gene Name	DPM1 dolichyl-phosphate mannosyltransferase polypeptide 1, catalytic subunit [Homo sapiens]
Official Symbol	DPM1
Synonyms	DPM1; dolichyl-phosphate mannosyltransferase polypeptide 1, catalytic subunit; dolichol-

45-1 Ramsey Road, Shirley, NY 11967, USA
Email: info@creative-diagnostics.com
Tel: 1-631-624-4882 Fax: 1-631-938-8221

	phosphate mannosyltransferase; CDGIE; MPDS; DPM synthase; MPD synthase; mannose-P-dolichol synthase; dolichol-phosphate mannose synthase; dolichol monophosphate mannose synthase; dolichyl-phosphate beta-D-mannosyltransferase;
Entrez Gene ID	8813
mRNA Refseq	NM_003859
Protein Refseq	NP_003850
UniProt ID	O60762
Chromosome Location	20q13.1
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; 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 bio
Function	alcohol binding; dolichyl-phosphate beta-D-mannosyltransferase activity; dolichyl-phosphate-mannose-protein mannosyltransferase activity; mannose binding; protein binding; transferase activity, transferring glycosyl groups;

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