

Product datasheet for TP303919M

DPM2 (NM_003863) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human dolichyl-phosphate mannosyltransferase polypeptide 2, regulatory subunit (DPM2), 100 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC203919 protein sequence Red=Cloning site Green=Tags(s)
	MATGTDQWGLGLVAVSLIIFTYYTAWVILLPFIDSQHVVIHKYFLPRAYAVAIPLAAGLLLLLVGLFIS YVMLKSKRVTKKAQ
	TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Predicted MW:	9.1 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_003854
Locus ID:	8818
UniProt ID:	O94777
RefSeq Size:	1561



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Cytogenetics: 9q34.11

RefSeq ORF: 252

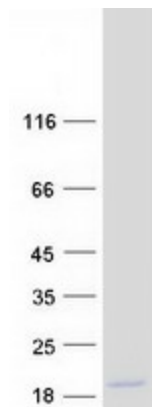
Synonyms: CDG1U

Summary: 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 hydrophobic protein that contains 2 predicted transmembrane domains and a putative ER localization signal near the C terminus. This protein associates with DPM1 in vivo and is required for the ER localization and stable expression of DPM1 and also enhances the binding of dolichol-phosphate to DPM1. [provided by RefSeq, Jul 2008]

Protein Families: Transmembrane

Protein Pathways: Glycosylphosphatidylinositol(GPI)-anchor biosynthesis, Metabolic pathways, N-Glycan biosynthesis

Product images:



Coomassie blue staining of purified DPM2 protein (Cat# [TP303919]). The protein was produced from HEK293T cells transfected with DPM2 cDNA clone (Cat# [RC203919]) using MegaTran 2.0 (Cat# [TT210002]).