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Product datasheet for PH312952

DPM3 (NM_018973) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	DPM3 MS Standard C13 and N15-labeled recombinant protein (NP_061846)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC212952
Predicted MW:	13.3 kDa
Protein Sequence:	>RC212952 protein sequence Red=Cloning site Green=Tags(s) MLSVGGLRLSLVRFSFLLLRGALLPSLAVTMTKLAQWLWGLAILGSTWVALTTGALGLELPLSCQEVLWP LPAYLLVSAGCYALGTVGYRVATFHDCEDAARELQSQIQEARADLARRGLRF TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	NP_061846
RefSeq Size:	532
RefSeq ORF:	366
Synonyms:	CDG1O; MDDGB15; MDDGC15
Locus ID:	54344
UniProt ID:	Q9P2X0, A0A140VJI4
Cytogenetics:	1q22

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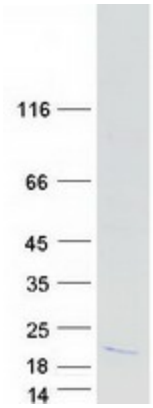
Summary: Dolichol-phosphate mannose (Dol-P-Man) serves as a donor of mannosyl residues on the lumenal side of the endoplasmic reticulum (ER). Lack of Dol-P-Man results in defective surface expression of GPI-anchored proteins. Dol-P-Man is synthesized from GDP-mannose and dolichol-phosphate on the cytosolic side of the ER by the enzyme dolichyl-phosphate mannosyltransferase. 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. [provided by RefSeq, Jul 2008]

Protein Families: Transmembrane

Protein Pathways: Metabolic pathways, N-Glycan biosynthesis

Product images:



Coomassie blue staining of purified DPM3 protein (Cat# [TP312952]). The protein was produced from HEK293T cells transfected with DPM3 cDNA clone (Cat# [RC212952]) using MegaTran 2.0 (Cat# [TT210002]).