

Recombinant Human DPM1 Protein, GST-tagged

Cat. No. DPM1-2836H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human DPM1 full-length ORF (AAH08466.1, 1 a.a. - 260 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	Wheat Germ
Description	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. Human DPM1 lacks a carboxy-terminal transmembrane domain and signal sequence and is regulated by DPM2. Mutations in this gene are associated with congenital disorder of glycosylation type Ie. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Nov 2015]
Molecular Mass	56 kDa
AA Sequence	MASLEVSRGPRRSRRELEVRSPRQNKYSVLLPTYNERENLPLIVWLLVKSFSSESGIN YEIIIIIDDGSPDGTDRDVAEQLEKIYGS DRILLRPREKKLGLGTAYIHGMKHATGNYIIIMD ADLSHHPKFIPEFIRKQKEGNFDIVSGTRYKGNGGVYGWDLKRKIISRGANFLTQILL RPGASDLTGSFRLYRKEVLEKLEKCVSKGYVFQMEMIVRARQMNYTIGEVPISFVD RVYGESKLGGNEIVSFLKGLLTLFATT

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Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
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-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;
Gene ID	8813
mRNA Refseq	NM_003859
Protein Refseq	NP_003850
MIM	603503

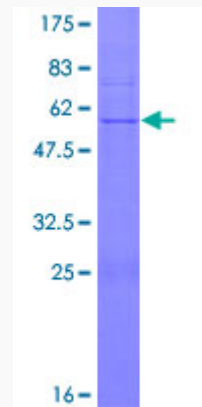
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UniProt ID

O60762

**Quality Control
Testing**

12.5% SDS-PAGE Stained with Coomassie Blue.

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