

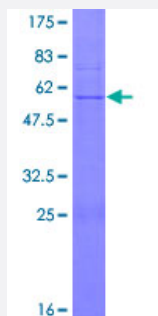
Full-Length

DPM1 (Human) Recombinant Protein (P01)

Catalog # H00008813-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human DPM1 full-length ORF (AAH08466.1, 1 a.a. - 260 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MASLEVSRGPRRSRRELEVRSRQNKYSVLLPTYNERENLPLVWLLVKSFSSESGINYEIIIDDGSP
DGTRDVAEQLEKIYGSDRILLRPREKKLGLGTAYIHGMKHATGNYIIIMDADLSHHPKFIPEFIRKQKE
GNFDIVSGTRYKGNGGVYGWDLKRKIISRGANFLTQILLRPGASDLTGSFRLYRKEVLEKLEKCVS
KGYVFQMEMIVRARQMNYTIGEVPISFVDRVYGESKLGGENVSFLKGLLTLFATT

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

56

Interspecies Antigen Sequence

Mouse (91); Rat (91)

Preparation Method

[in vitro wheat germ expression system](#)

Purification

Glutathione Sepharose 4 Fast Flow

Quality Control Testing

12.5% SDS-PAGE Stained with Coomassie Blue.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

Storage Instruction

Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Note

Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — DPM1

Entrez GeneID [8813](#)

GeneBank Accession# [BC008466.1](#)

Protein Accession# [AAH08466.1](#)

Gene Name DPM1

Gene Alias CDGIE, MPDS

Gene Description dolichyl-phosphate mannosyltransferase polypeptide 1, catalytic subunit

Omim ID [603503](#) [608799](#)

Gene Ontology [Hyperlink](#)

Gene Summary Dolichol-phosphate mannose (Dol-P-Man) serves as a donor of mannosyl residues on the lumena l side of the endoplasmic reticulum (ER). Lack of Dol-P-Man results in defective surface expressi on of GPI-anchored proteins. Dol-P-Man is synthesized from GDP-mannose and dolichol-phosph ate on the cytosolic side of the ER by the enzyme dolichyl-phosphate mannosyltransferase. Huma n DPM1 lacks a carboxy-terminal transmembrane domain and signal sequence and is regulated by DPM2. [provided by RefSeq

Other Designations OTTHUMP00000031285[dolichol monophosphate mannose synthase[dolichyl-phosphate manno syltransferase polypeptide 1

Pathway

- [Metabolic pathways](#)
- [N-Glycan biosynthesis](#)

Disease

- [Disease Progression](#)
- [Disease Susceptibility](#)
- [HIV Infections](#)