

Product datasheet for **TP303472**

PMM2 (NM_000303) Human Recombinant Protein

Product data:

Product Type: Recombinant Proteins

Description: Recombinant protein of human phosphomannomutase 2 (PMM2), 20 µg

Species: Human

Expression Host: HEK293T

Expression cDNA Clone or AA Sequence: >RC203472 representing NM_000303

Red=Cloning site **Green**=Tags(s)

MAAPGPALCLFDVDGTLTAPRQKITKEMDDFLQKLRQKIKIGVWGGSDFEKVQEQLGNDWEKYDYVFPE
NGLVAYKDGKLLCRQNIQSHLGEALIQDLINYLCLSYIAKIKLPKRGTFIEFRNGMLNVSPIGRSCSQEE
RIEFYELDKKENIRQKFVADLRKEFAGKGLTFSIGGQISFDVFPDGDWKRYCLRHVENDGYKTIYFFGDK
TMPGGNDHEIFTDPRTMGYSVTAPEDTRRICELLFS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag: C-Myc/DDK

Predicted MW: 27.9 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_000294](#)

Locus ID: 5373

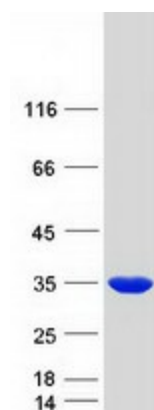
UniProt ID: [O15305](#), [A0A0S2Z4J6](#), [Q59F02](#)



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RefSeq Size:	2302
Cytogenetics:	16p13.2
RefSeq ORF:	738
Synonyms:	CDG1; CDG1a; CDGS; PMI; PMI1; PMM 2
Summary:	The protein encoded by this gene catalyzes the isomerization of mannose 6-phosphate to mannose 1-phosphate, which is a precursor to GDP-mannose necessary for the synthesis of dolichol-P-oligosaccharides. Mutations in this gene have been shown to cause defects in glycoprotein biosynthesis, which manifests as carbohydrate-deficient glycoprotein syndrome type I. [provided by RefSeq, Jul 2008]
Protein Families:	Druggable Genome
Protein Pathways:	Amino sugar and nucleotide sugar metabolism, Fructose and mannose metabolism, Metabolic pathways

Product images:



Coomassie blue staining of purified PMM2 protein (Cat# TP303472). The protein was produced from HEK293T cells transfected with PMM2 cDNA clone (Cat# [RC203472]) using MegaTran 2.0 (Cat# [TT210002]).