

Product datasheet for **TP302004M**

PMM1 (NM_002676) Human Recombinant Protein

Product data:

Product Type: Recombinant Proteins

Description: Recombinant protein of human phosphomannomutase 1 (PMM1), 100 µg

Species: Human

Expression Host: HEK293T

**Expression cDNA Clone
or AA Sequence:** >RC202004 protein sequence
Red=Cloning site **Green**=Tags(s)

MAVTAQAARRKERVLCFLDVGTLTPARQKIDPEVA AFLQKLR SRVQIGVVGGS DYCKIAEQLGDGDEVI
EKFDYVFAENGT VQYKHGRLLSKQTIQNHLGEELLQDLINFCLSYMALLR LPKKRGT FIEFRNGMLNISP
IGRSCTLEERIEFSELDKKEKIREKFVEALKTEFAGKGLRFSRGGMISFDVFPEGWDKRYCLDSLQDSF
DTIHFFGNETSPGGNDFEIFADPRTVGH SVSPQDTVQR CREIFFPETAHEA

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag: C-Myc/DDK

Predicted MW: 29.6 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_002667](#)

Locus ID: 5372

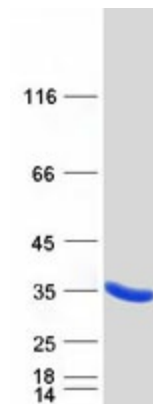
UniProt ID: [Q92871](#), [A0A024R1U5](#)



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RefSeq Size:	1295
Cytogenetics:	22q13.2
RefSeq ORF:	786
Synonyms:	PMM 1; PMMH-22; Sec53
Summary:	Phosphomannomutase catalyzes the conversion between D-mannose 6-phosphate and D-mannose 1-phosphate which is a substrate for GDP-mannose synthesis. GDP-mannose is used for synthesis of dolichol-phosphate-mannose, which is essential for N-linked glycosylation and thus the secretion of several glycoproteins as well as for the synthesis of glycosyl-phosphatidyl-inositol (GPI) anchored proteins. [provided by RefSeq, Jul 2008]
Protein Pathways:	Amino sugar and nucleotide sugar metabolism, Fructose and mannose metabolism, Metabolic pathways

Product images:



Coomassie blue staining of purified PMM1 protein (Cat# [TP302004]). The protein was produced from HEK293T cells transfected with PMM1 cDNA clone (Cat# [RC202004]) using MegaTran 2.0 (Cat# [TT210002]).