

## Product datasheet for PH302004

### PMM1 (NM\_002676) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	PMM1 MS Standard C13 and N15-labeled recombinant protein (NP_002667)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC202004
Predicted MW:	29.7 kDa
Protein Sequence:	>RC202004 protein sequence Red=Cloning site Green=Tags(s)  MAVTAQAARRKERVLCFLFDVDTLTPARQKIDPEVA AFLQKLR SRVQIGVVGGSDYCKIAEQLGDGDEVI EKFDYVFAENGTVQYKHGRLLSKQTIQNHLEELLQDLINFCLSYMALLR LPKKRGT FIEFRNGMLNISP IGRSCTLEERIEFSELDKKEKIREKFVEALKTEFAGKGLRFSRGGMISFDVFPEGWDKRYCLDSLQDSF DTIHFFGNETSPGGNDFEIFADPRTVGHSVSPQDTVQRCREIFFPETAHEA  TRTRPLEQKLI SEEDLAANDILDYKDDDDKV
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- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>4</sub> ]-L-Arginine and [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>2</sub> ]-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:	<a href="#">NP_002667</a>
RefSeq Size:	1295
RefSeq ORF:	786
Synonyms:	PMM 1; PMMH-22; Sec53
Locus ID:	5372
UniProt ID:	<a href="#">Q92871</a> , <a href="#">A0A024R1U5</a>



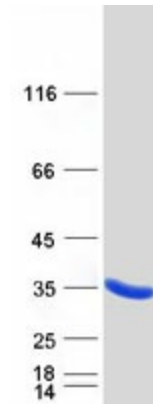
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**Cytogenetics:** 22q13.2

**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]).