

## Product datasheet for **AR09721PU-N**

### PMM1 (1-262, His-tag) Human Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	PMM1 (1-262, His-tag) human recombinant protein, 50 µg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	<u><a href="#">MGSSHHHHHH SSGLVPRGSH</a></u> MAVTAQAARR KERVLCLFDV DGTLPARQK IDPEVA AFLQ KLR SRVQIGV VGGSDYCKIA EQLGDGDEVI EKFDYVFAEN GTVQYKHGRL LSKQTIQ NHL GEELLQDLIN FCLSYMALLR LPKKRGTFIE FRNGMLNISP IGRSCTLEER IEFSELDKKE KIREKFVEAL KTEFAGKGLR FSRGGMISFD VFPEGWDKRY CLDSLQDQSF DTIHFFGNET SPGGNDFEIF ADPRTVGHSV VSPQDTVQRC REIFFPETAH EA
Tag:	His-tag
Predicted MW:	31.9 kDa
Concentration:	lot specific
Purity:	>90%
Buffer:	Presentation State: Purified State: Liquid purified protein Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 10% glycerol, 2 mM DTT, 100 mM NaCl, 0.1 mM PMSF
Preparation:	Liquid purified protein
Protein Description:	Recombinant human PMM1 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
Storage:	Store undiluted at 2-8°C for up to two weeks or (in aliquots) at -20°C or -70°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
RefSeq:	<u><a href="#">NP_002667</a></u>
Locus ID:	5372
UniProt ID:	<u><a href="#">Q92871</a></u> , <u><a href="#">A0A024R1U5</a></u>
Cytogenetics:	22q13.2
Synonyms:	PMM 1; PMMH-22; Sec53



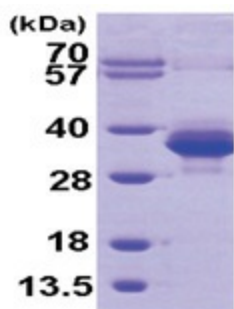
[View online »](#)

**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:**

15% SDS-PAGE (3ug)