

## **Product datasheet for AR09665PU-N**

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## PMM2 (1-246, His-tag) Human Protein

**Product data:** 

**Product Type:** Recombinant Proteins

**Description:** PMM2 (1-246, His-tag) human recombinant protein, 0.1 mg

Species: Human
Expression Host: E. coli

Expression cDNA Clone MGSSHHHHHH SSGLVPRGSH MAAPGPALCL FDVDGTLTAP RQKITKEMDD FLQKLRQKIK

or AA Sequence: IGVVGGSDFE KVQEQLGNDV VEKYDYVFPE NGLVAYKDGK LLCRQNIQSH LGEALIQDLI NYCLSYIAKI

KLPKKRGTFI EFRNGMLNVS PIGRSCSQEE RIEFYELDKK ENIRQKFVAD LRKEFAGKGL TFSIGGQISF DVFPDGWDKR YCLRHVENDG YKTIYFFGDK TMPGGNDHEI FTDPRTMGYS VTAPEDTRRI CELLFS

Tag: His-tag
Predicted MW: 30.2 kDa
Concentration: lot specific

Purity: >95% by SDS – PAGE

**Buffer:** Presentation State: Purified

State: Liquid purified protein

Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 10% glycerol, 1 mM DTT, 0.1M NaCl

**Preparation:** Liquid purified protein

**Protein Description:** Recombinant human PMM2 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: NP 000294

**Locus ID:** 5373

UniProt ID: <u>015305</u>, <u>A0A0S2Z4J6</u>, <u>Q59F02</u>

**Cytogenetics:** 16p13.2

**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

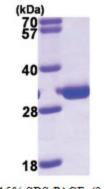
type I. [provided by RefSeq, Jul 2008]

**Protein Families:** Druggable Genome

**Protein Pathways:** Amino sugar and nucleotide sugar metabolism, Fructose and mannose metabolism,

Metabolic pathways

## **Product images:**



15% SDS-PAGE (3ug)