

**AR09665PU-L****Human PMM2 (1-246, His-tag) - Purified**

<b>Alternate names:</b>	PMM 2, Phosphomannomutase 2
<b>Quantity:</b>	0.5 mg
<b>Concentration:</b>	1.0 mg/ml (determined by Bradford assay)
<b>Background:</b>	<p>PMM2, also known as Phosphomannomutase 2, belongs to the eukaryotic PMM family. PMM2 is involved in the synthesis of the GDP-mannose and dolichol-phosphate-mannose required for a number of critical mannosyl transfer reactions. It catalyzes the isomerization of mannose 6-phosphate to mannose 1-phosphate. Mutations in PMM2 are associated with Congenital disorders of glycosylation (CDG)-Ia, an autosomal recessive disorder characterized by central nervous system dysfunction and multiorgan failure.</p>
<b>Uniprot ID:</b>	<a href="#">O15305</a>
<b>NCBI:</b>	<a href="#">NP_000294</a>
<b>GeneID:</b>	<a href="#">5373</a>
<b>Species:</b>	Human
<b>Source:</b>	E. coli
<b>Format:</b>	<b>State:</b> Liquid purified protein <b>Purity:</b> >95% by SDS – PAGE <b>Buffer System:</b> 20mM Tris-HCl buffer (pH 8.0) containing 10% glycerol, 1mM DTT, 0.1M NaCl
<b>Description:</b>	<p>Recombinant human PMM2 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.</p> <p><b>AA Sequence:</b> <u>MGSSHHHHHH</u> SSGLVPRGSH MAAPGPALCL FDVDGTLTAP RQKITKEMDD FLQKLRQKIK IGVVGGSDFE KVQEQLGNDV VEKYDYVFPE NGLVAYKD GK LLCRQNIQSH LGEALIQDLI NYCLSYIAKI KLPKKRGTFI EFRNGMLNVS PIGRSCSQEE RIEFYELDKK ENIRQKFVAD LRKEFAGKGL TFSIGGQISF DVFPDGDWR YCLRHVENDG YKTIYFFGDK TMPGGNDHEI FTDPRTMGYS VTAPEDTRRI CELLFS</p> <p><b>Molecular weight:</b> 30.2 kDa (266aa), confirmed by MALDI-TOF</p>
<b>Storage:</b>	<p>Store undiluted at 2-8°C for up to two weeks or (in aliquots) at -20°C or -70°C for longer.</p> <p>Avoid repeated freezing and thawing.</p> <p>Shelf life: one year from despatch.</p>
<b>General Readings:</b>	Vega Al., et al. (2009) Hum Mutat. 30(5):795-803.

Pictures:

Recombinant human PMM2, 1-246 aa,  
His-tagged

