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Product datasheet for AR09721PU-L

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

Product data:

Product Type:	Recombinant Proteins
Description:	PMM1 (1-262, His-tag) human recombinant protein, 0.25 mg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	MGSSHHHHHH SSGLVPRGSH MAVTAQAARR KERVLCLFDV DGTLTPARQK IDPEVAAFLQ KLRSRVQIGV VGGSDYCKIA EQLGDGDEVI EKFDYVFAEN GTVQYKHGRL LSKQTIQNHL GEELLQDLIN FCLSYMALLR LPKKRGTFIE FRNGMLNISP IGRSCTLEER IEFSELDKKE KIREKFVEAL KTEFAGKGLR FSRGGMISFD VFPEGWDKRY CLDSLDQDSF 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:	NP_002667
Locus ID:	5372
UniProt ID:	Q92871, A0A024R1U5
Cytogenetics:	22q13.2
Synonyms:	PMM 1; PMMH-22; Sec53

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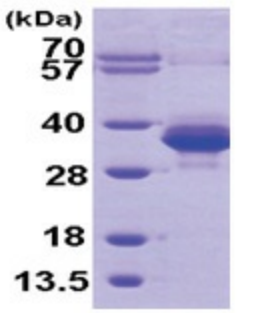
Summary: Phosphomannomutase catalyzes the conversion between D-mannose 6-phosphate and D-mannose 1-phosphate which is a substrate for GDP-mannose synthesis. GDP-mannose is used for synthesis of dolichol-phosphate-mannose, which is essential for N-linked glycosylation and thus the secretion of several 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)