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

Alternate names: PMM 2, Phosphomannomutase 2

Quantity: 0.5 mg

Concentration: 1.0 mg/ml (determined by Bradford assay)

Background: 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)-la, an autosomal recessive disorder characterized by central nervous system

dysfunction and multiorgan failure.

Uniprot ID: <u>015305</u>

NCBI: NP 000294

GenelD: <u>5373</u>

Species: Human Source: E. coli

Format: State: Liquid purified protein

Purity: >95% by SDS - PAGE

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

NaCl

Description: Recombinant human PMM2 protein, fused to His-tag at N-terminus, was expressed in

E.coli and purified by using conventional chromatography techniques.

AA Sequence:

MGSSHHHHHH SSGLVPRGSH MAAPGPALCL FDVDGTLTAP RQKITKEMDD FLQKLRQKIK IGVVGGSDFE KVQEQLGNDV VEKYDYVFPE NGLVAYKDGK LLCRQNIQSH LGEALIQDLI NYCLSYIAKI KLPKKRGTFI EFRNGMLNVS PIGRSCSQEE RIEFYELDKK ENIRQKFVAD LRKEFAGKGL TFSIGGQISF DVFPDGWDKR YCLRHVENDG YKTIYFFGDK TMPGGNDHEI

FTDPRTMGYS VTAPEDTRRI CELLFS

Molecular weight: 30.2 kDa (266aa), confirmed by MALDI-TOF

Storage: Store undiluted at 2-8°C for up to two weeks or (in aliquots) at -20°C or -70°C for

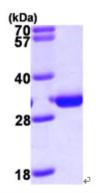
longer.

Avoid repeated freezing and thawing. Shelf life: one year from despatch.

General Readings: Vega Al., et al. (2009) Hum Mutat. 30(5):795-803.

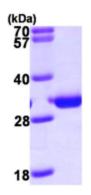


Pictures:



15% SDS-PAGE (3ug)

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



15% SDS-PAGE (3ug)