

PMM2, 1-246aa, Human, His tag, E.coli

Cat.NO.: TP03442

3th Edition

Synonyms:Phosphomannomutase 2, CDG1, CDG1a, CDGS

Description: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.

Form:Liquid. In 20mM Tris-HCl buffer(pH 8.0) containing 10% glycerol 1mM DTT, 0.1M NaCl.

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

Sequences:

MGSSHHHHHSSGLVPRGSHMAAPGPALCLFDVDGTLTAPRQKITKEMDDFLQKLRQKIKIGVVGGSDFEKVVQEQ
LGNDVVEKYDYVFPENGLVAYKDGKLLCRQNIQSHLGEALIQDLINCYLSYIAKIKLPKRGTFIEFRNGMLNVSPIGR
SCSQEERIEFYELDKKENIRQKFVADLRKEFAGKGLTFSIGGQISFDVFPDGWDKRYCLRHVENDGYKTIYFFGDKT
MPGGNDHEIFDPRMTMGYSVTAPEDTRRICELLS

Purity:> 95% by HPLC

Concentration:1 mg/ml (determined by Bradford assay)

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

Storage:Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.