

Phosphomannomutase 2 Recombinant Protein | PMM2 recombinant protein

Recombinant Human Phosphomannomutase 2

CATALOG #
AAA38863

HOST
E Coli

PRODUCT SYNONYMS

Phosphomannomutase 2; Recombinant Human Phosphomannomutase 2; PMM2 Human; Phosphomannomutase 2 Human Recombinant; PMM 2; PMM2; CDG1; CDGS; CDG1a; PMM2 recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	Greater than 95.0% as determined by SDS-PAGE.
Form/Format	The PMM2 solution (1 mg/ml) contains 20mM Tris-HCl buffer(pH 8.0), 10% glycerol, 1mM DTT and 0.1M NaCl.
Sequence	MGSSHHH HHHSSGLVPR GSHMAA PGPALCLFDV DGTLTAPRQK ITKEMDDFLQ KLRQKIKIGV VGGSDFEKVQ EQLGNDVVEK YDYVFPENGL VAYKDGKLLC RQNIQSHLGE ALIQDLINYC LSYIAKIKLP KKRGTFFIEFR NGMLNVSPIG RSCSQEERIE FYELDKKENI RQKFVADLRK EFAGKGLTFS IGGQISFDVF PDGWDKRYCL RHVENDGYKT IYFFGDKTMP GGNDHEIFTD PRTMGYSVTA PEDTRRICEL LFS
Sequence Length	246
Physical Appearance	Sterile Filtered colorless solution.

ADDITIONAL INFORMATION

Related Product Information for PMM2 recombinant protein	Description: PMM2 Human Recombinant fused with a 20 amino acid His tag at N-terminus produced in E Coli is a single, non-glycosylated, polypeptide chain containing 266 amino acids (1-246 a.a.) and having a molecular mass of 30.2kDa. The PMM2 is purified by proprietary chromatographic techniques. Introduction: Phosphomannomutase 2 (PMM2) is a member of the eukaryotic PMM family. Phosphomannomutase 2 is involved in the synthesis of the GDP-mannose and dolichol-phosphate-mannose required for a number of critical mannosyl transfer reactions. PMM2 catalyzes the isomerization of mannose 6-phosphate to mannose 1-phosphate. PMM2 mutations are linked to congenital disorders of glycosylation (CDG)-Ia, an autosomal recessive disorder characterized by central nervous system dysfunction and multiorgan failure.
Product Categories/Family for PMM2 recombinant protein	Enzymes; Mutase

NCBI AND UNIPROT INFORMATION

NCBI GI #	4557839
NCBI GeneID	5373
NCBI Accession #	NP_000294.1
NCBI GenBank Nucleotide #	NM_000303.2
UniProt Accession #	O15305; A8K672; B7Z6R0; D3DUF3
Molecular Weight	13,428 Da
NCBI Official Full Name	phosphomannomutase 2

NCBI Official Synonym Full Names	phosphomannomutase 2
NCBI Official Symbol	PMM2
NCBI Official Synonym Symbols	PMI; CDG1; CDGS; PMI1; CDG1a; PMM 2
NCBI Protein Information	phosphomannomutase 2; phosphomannose isomerase 1
UniProt Protein Name	Phosphomannomutase 2
UniProt Gene Name	PMM2
UniProt Synonym Gene Names	PMM 2
UniProt Entry Name	PMM2_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/pmm2-recombinant-protein-e-coli/38863>