Product Name: Recombinant Human PMM2 (C-6His)
Catalog #: PEH1349

Summary

Name	PMM2/Phosphomannomutase 2
Purity	Greater than 95% as determined by reducing SDS-PAGE
Endotoxin level	<1 EU/μg as determined by LAL test.
Construction	Recombinant Human Phosphomannomutase 2 is produced by our E.coli expression system and the target gene encoding Met1-Ser246 is expressed with a 6His tag at the C-terminus.
Accession #	O15305
Host	E.coli
Species	Human
Predicted Molecular Mass	29.1 KDa
Formulation	Supplied as a 0.2 μm filtered solution of 20mM Tris-HCl, 150mM NaCl, pH 8.0.
Shipping	The product is shipped on dry ice/polar packs. Upon receipt, store it immediately at the temperature listed below.
Stability&Storage	Store at ≤-70°C, stable for 6 months after receipt. Store at ≤-70°C, stable for 3 months under sterile conditions after opening. Please minimize freeze-thaw cycles.
Reconstitution	

SDS-PAGE image

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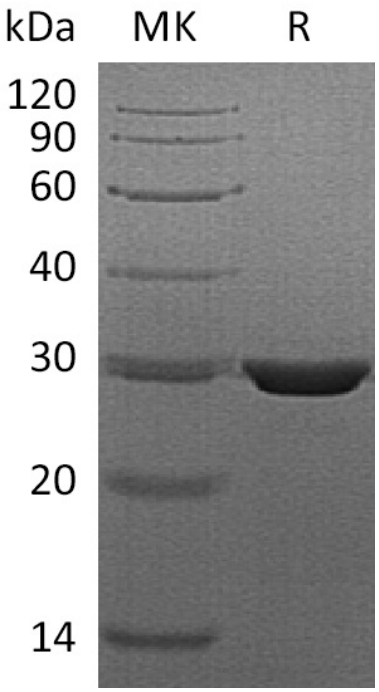

Alternative Names

Phosphomannomutase 2; PMM 2; PMM2

Background

Phosphomannomutase 2 (PMM2) is an enzyme that is a member of the highly variable methyltransferase superfamily. PMM2 is a cytoplasmic protein and catalyzes the isomerization of mannose 6-phosphate to mannose 1-phosphate.In addition, PMM2 involved in the synthesis of the GDP-mannose and dolichol-phosphate-mannose that required for a number of critical mannosyl transfer reactions. Defects in PMM2 can results in congenital disorder of glycosylation type 1A (CDG1A). Congenital disorders of glycosylation are metabolic deficiencies in glycoprotein biosynthesis that usually cause severe mental and psychomotor retardation.

Note

For Research Use Only , Not for Diagnostic Use.