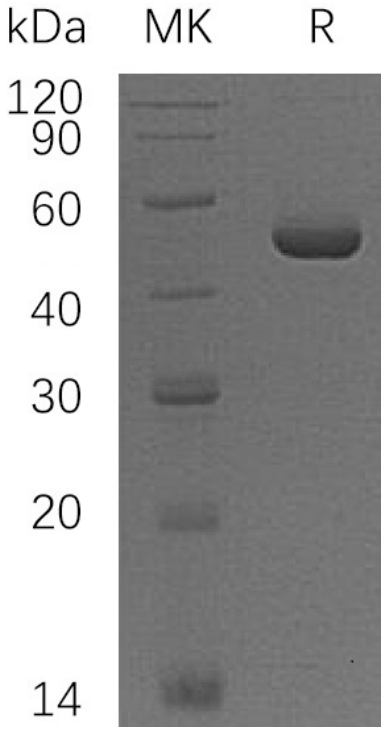
Product Name: Recombinant Human PMM1 (C-6His)
Catalog #: PEH1348

Summary

Name	PMM1/Phosphomannomutase 1
Purity	Greater than 95% as determined by reducing SDS-PAGE
Endotoxin level	<1 EU/μg as determined by LAL test.
Construction	Recombinant Human Phosphomannomutase 1 is produced by our E.coli expression system and the target gene encoding Met1-Ala262 is expressed with a 6His tag at the C-terminus.
Accession #	Q92871
Host	E.coli
Species	Human
Predicted Molecular Mass	30.8 KDa
Formulation	Supplied as a 0.2 μm filtered solution of 20mM Tris-HCl, 150mM NaCl, 1mM DTT, 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

Product Name: Recombinant Human PMM1 (C-6His)
Catalog #: PEH1348



Alternative Names

Phosphomannomutase 1; PMM 1; PMMH-22; PMM1; PMMH22

Background

Phosphomannomutase 1 (PMM1) blongs to the eukaryotic PMM family. Phosphomannomutase 1 can 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 required for a number of critical mannosyl transfer reactions. PMM1 is highly expressed in liver, heart, brain, and pancreas, but lower expression in skeletal muscle. In addition, PMM1 may be responsible for the degradation of glucose-1,6 bisphosphate in ischemic brain.

Note

For Research Use Only , Not for Diagnostic Use.