

32-7227: Recombinant Human Phosphomannomutase 1/PMM1 (C-6His)

Gene : PMM1
Gene ID : 5372
Uniprot ID : Q92871

Description

Source: E.coli.
MW :30.8kD.

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. Phosphomannomutase 1 (PMM1) belongs to the eukaryotic PMM family. Phosphomannomutase 1 can catalyze 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 is 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.

Product Info

Amount : 10 µg / 50 µg
Content : Supplied as a 0.2 µm filtered solution of 20mM TrisHCl, 150mM NaCl, 1mM DTT, pH 8.0.
Storage condition : Store at -20°C, stable for 6 months after receipt. Please minimize freeze-thaw cycles.
Amino Acid : MAVTAQAARRKERVLCFLFDVDGTLTPARQKIDPEVA AFLQKLR SRVQIGVVGGSDYCKIAEQLGDGDEVIEKFD
YVFAENGT VQYKHGRLLSKQTIQNH LGEELLQDLINFCLSYMALLR LPKKRGTFIEFRNGMLNISP IGRSCTLEERI
EFSELDKKEKIREKFVEALKTEFAGKLRFSRGGMISFDVFP EGWDKRYCLDSLQDSFDTIHFFGNETSPPGN
DFEIFADPR TVGHSVVS PQDTVQR CREIFFPETAHEAVEHHHHHH

Application Note

Endotoxin : Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.