

## Recombinant Human PMM1

Catalog No: C249

<b>Description</b>	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.
<b>Source</b>	E.coli
<b>Alternative name</b>	Phosphomannomutase 1; PMM 1; PMMH-22; PMM1; PMMH22
<b>Accession No.</b>	Q92871
<b>Formulation</b>	Supplied as a 0.2 µm filtered solution of 20mM TrisHCl, 150mM NaCl, 1mM DTT, pH 8.0.
<b>Quality Control</b>	Purity: Greater than 95% as determined by reducing SDS-PAGE. Endotoxin: Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.
<b>Shipping</b>	The product is shipped on dry ice/polar packs. Upon receipt, store it immediately at the temperature listed below.
<b>Storage</b>	Store at < -20°C, stable for 6 months after receipt. Please minimize freeze-thaw cycles.
<b>Amino Acid Sequence</b>	MAVTAQAARRKERVLCFLFDV DGTLPARQKIDPEVAAFLQKLRSRVQIGVVGGSDYCKIAEQLGDGDE VIEKFDYVFAENGTV QYKHGRLLSKQTIQNHLEELLQDLINFCLSYMALLRLPKKRGTFIEFRNGMLNISPIGRSCTLEERIEFS ELDKKEKIREKFVEALKT EFAGKGLRFSRGGMISFDVFPEGWDKRYCLDSLQDSFDTHFFGNETSPGGNDFEIFADPRTVGHS VVSPQDTVQRCREIFFP ETAHEAVEHHHHHH
<b>Background</b>	Phosphomannomutase 1 (PMM1) belongs 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.

### SDS-Page

