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Datasheet for ABIN7318899 PMM1 Protein (His tag)

Overview

Quantity:	50 µg
Target:	PMM1
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This PMM1 protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human PMM1 Protein (His Tag)
Sequence:	Met 1-Ala262
Characteristics:	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.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

Target Details

Target:	PMM1
Alternative Name:	PMM1 (PMM1 Products)
Background:	Background: 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

Target Details

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 biphosphate in ischemic brain.

Synonym: Phosphomannomutase 1, PMM 1, PMMH-22, PMM1, PMMH22

Molecular Weight: 30.8 kDa

UniProt: [Q92871](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Frozen, Liquid

Buffer: Supplied as a 0.2 µm filtered solution of 20 mM TrisHCl, 150 mM NaCl, 1 mM DTT, pH 8.0.

Storage: -20 °C

Storage Comment: Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.