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Datasheet for ABIN1097361
PMM2 Protein (AA 1-246) (His tag)

Overview

Quantity:	50 µg
Target:	PMM2
Protein Characteristics:	AA 1-246
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This PMM2 protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human Phosphomannomutase 2/PMM2 (C-6His)
Sequence:	MAAPGPALCL FDVDGTLTAP RQKITKEMDD FLQKLRQKIK IGVVGGSDFE KVQEQLGNDV VEKYDYVFPE NGLVAYKDGK LLCRQNIQSH LGEALIQDLI NYCLSYIAKI KLPKKRGTFI EFRNGMLNVS PIGRSCSQEE RIEFYELDKK ENIRQKFVAD LRKEFAGKGL TFSIGGQISF DVFPDGWDKR YCLRHVENDG YKTIYFFGDK TMPGGNDHEI FTDPRMTMGYS VTAPEDTRRI CELLFSLEHH HHHH
Characteristics:	Recombinant Human Phosphomannomutase 2/PMM2 is produced by our E. coli expression system. The target protein is expressed with sequence (Met1-Ser246) of Human PMM2 fused with a His tag at the C-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Sterility:	0.2 µm filtered
Endotoxin Level:	Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test

Target Details

Target:	PMM2
Alternative Name:	PMM2 (PMM2 Products)
Sub Type:	Fusionprotein
Background:	<p>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 is 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 result 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.</p> <p>Alternative Names: Phosphomannomutase 2, PMM 2, PMM2</p>
Molecular Weight:	29.1 kDa
UniProt:	O15305

Application Details

Restrictions: For Research Use only

Handling

Format:	Liquid
Reconstitution:	<p>It is not recommended to reconstitute to a concentration less than 100 µg/mL.</p> <p>Dissolve the lyophilized protein in ddH₂O.</p> <p>Please aliquot the reconstituted solution to minimize freeze-thaw cycles.</p>
Buffer:	Supplied as a 0.2 µm filtered solution of 20 mM TrisHCl, 150 mM NaCl, pH 8.0.
Handling Advice:	Always centrifuge tubes before opening. Do not mix by vortex or pipetting.
Storage:	-80 °C
Storage Comment:	<p>Store at < -20°C, stable for 6 months after receipt.</p> <p>Please minimize freeze-thaw cycles.</p>
Expiry Date:	6 months