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## Datasheet for ABIN7318900 PMM2 Protein (His tag)

### Overview

Quantity:	50 µg
Target:	PMM2
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 PMM2 Protein (His Tag)
Sequence:	Met 1-Ser246
Characteristics:	Recombinant Human Phosphomannomutase 2 is produced by our E.coli expression system and the target gene encoding Met1-Ser246 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:	PMM2
Alternative Name:	PMM2 ( <a href="#">PMM2 Products</a> )
Background:	Background: 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 involved in

## Target Details

the synthesis of the GDP-mannose and dolichol-phosphate-mannose that required for a number of critical mannosyl transfer reactions. Defects in PMM2 can results 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.

Synonym: Phosphomannomutase 2, PMM 2, PMM2

Molecular Weight:	29.1 kDa
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UniProt:	<a href="#">O15305</a>
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## Application Details

Restrictions:	For Research Use only
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## Handling

Format:	Frozen, Liquid
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Buffer:	Supplied as a 0.2 µm filtered solution of 20 mM TrisHCl, 150 mM NaCl, pH 8.0.
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Storage:	-20 °C
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Storage Comment:	Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.
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