



Recombinant Protein Technical Manual

Recombinant Human PMM2 Protein (His Tag)

RPES1921

Product Data:

Product SKU: RPES1921

Size: 10µg

Species: Human

Expression host: E. coli

Uniprot: O15305

Protein Information:

Molecular Mass: 29.1 kDa

AP Molecular Mass: 29 kDa

Tag: C-6His

Bio-activity:

Purity: > 95 % as determined by reducing SDS-PAGE.

Endotoxin: < 1.0 EU per µg as determined by the LAL method.

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

Shipping: This product is provided as liquid. It is shipped at frozen temperature with blue ice/gel packs. Upon receipt, store it immediately at < -20°C.

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

Reconstitution: Please refer to the printed manual for detailed information.

Application:

Synonyms: Phosphomannomutase 2; PMM 2; PMM2

Immunogen Information:

Sequence: Met 1-Ser246

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 is involved in the synthesis of the GDP-mannose and dolichol-phosphate-mannose that are 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.