PMM1 Protein, Human (His)

Cat. No.:	HY-P71216
Synonyms:	Phosphomannomutase 1; PMM 1; PMMH-22; PMM1; PMMH22
Species:	Human
Source:	E. coli
Accession:	Q92871 (M1-A262)
Gene ID:	5372
Molecular Weight:	Approximately 49.0 kDa

PROPERTIES

AA Sequence	M A V T A Q A A R R K E R V L C L F D V D G T L T P A R Q K I D P E V A A F L Q K L R S R V Q I G V V G G S D Y C K I A E Q L G D G D E V I E K F D Y V F A E N G T V Q Y K H G R L L S K Q T I Q N H L G E E L L Q D L I N F C L S Y M A L L R L P K K R G T F I E F R N G M L N I S P I G R S C T L E E R I E F S E L D K K E K I R E K F V E A L K T E F A G K G L R F S R G G M I S F D V F P E G W D K R Y C L D S L D Q D S F D T I H F F G N E T S P G G N D F E I F A D P R T V G H S V V S P Q D T V Q R C R E I F F P E T A H E A
Biological Activity	The enzyme activity of this recombinant protein is testing in progress, we cannot offer a guarantee yet.
Appearance	Solution.
Formulation	Supplied as a 0.2 μm filtered solution of 20 mM Tris-HCl, 150 mM NaCl, 1 mM DTT, pH 8.0.
Endotoxin Level	<1 EU/μg, determined by LAL method.
Reconsititution	N/A
Storage & Stability	Stored at -80°C for 1 year. It is stable at -20°C for 3 months after opening. It is recommended to freeze aliquots at -80°C for extended storage. Avoid repeated freeze-thaw cycles.
Shipping	Shipping with dry ice.

DESCRIPTION

Background	The PMM1 Protein plays a pivotal role in the synthesis of GDP-mannose and dolichol-phosphate-mannose, crucial for various essential mannosyl transfer reactions. Its enzymatic activities contribute to the biosynthesis of mannose-containing glycoconjugates, playing a vital role in protein glycosylation and related cellular processes. Moreover, PMM1 may have an additional role in the degradation of glucose-1,6-bisphosphate in the ischemic brain, suggesting its involvement in

metabolic responses to ischemic conditions. The multifaceted functions of PMM1 underscore its significance in cellular homeostasis and underline its potential contribution to glycosylation processes and metabolic adaptations in specific physiological contexts.

Tel: 609-228-6898 Fax: 609-228-5909 E-mail: tech@MedChemExpress.com
Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA