PMM2 Protein, Human (His)

Cat. No.:	HY-P71021
Synonyms:	Phosphomannomutase 2; PMM 2; PMM2
Species:	Human
Source:	E. coli
Accession:	O15305 (M1-S246)
Gene ID:	5373
Molecular Weight:	Approximately 29.0 kDa

PROPERTIES

AA Sequence	M A A P G P A L C L F D V D G T L T A P R Q K I T K E M D D F L Q K L R Q K I K I G V V G G S D F E K V Q E Q L G N D V V E K Y D Y V F P E N G L V A Y K D G K L L C R Q N I Q S H L G E A L I Q D L I N Y C L S Y I A K I K L P K K R G T F I E F R N G M L N V S P I G R S C S Q E E R I E F Y E L D K K E N I R Q K F V A D L R K E F A G K G L T F S I G G Q I S F D V F P D G W D K R Y C L R H V E N D G Y K T I Y F F G D K T M P G G N D H E I F T D P R T M G Y S V T A P E D T R R I C E L L F S
Appearance	Solution.
Formulation	Supplied as a 0.2 μm filtered solution of 20 mM Tris-HCl, 150 mM NaCl, 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 PMM2 Protein plays a vital role in the synthesis of GDP-mannose and dolichol-phosphate-mannose, essential for numerous critical mannosyl transfer reactions. Its enzymatic activity is integral to the biosynthesis of mannose-containing glycoconjugates, contributing to various cellular processes such as protein glycosylation. PMM2's involvement in these pathways underscores its significance in cellular homeostasis and the proper functioning of glycosylation processes essential for the synthesis of various glycoconjugates with crucial biological functions.

Caution: Product has not been fully validated for medical applications. For research use only.

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