

Product datasheet for TP308134M

Mannose Phosphate Isomerase (MPI) (NM_002435) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human mannose phosphate isomerase (MPI), 100 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC208134 protein sequence Red =Cloning site Green =Tags(s)
	<p>MAAPRVFPLSCAVQQYAWGKMGSNSEVARLLASSDPLAQIAEDKPYAELWMGTHPRGDAKILDNRISQK T LSQWIAENQDSLGSVKKDTFNGNLPFLFKVLSVETPLSIQAHPNKELAEKLHLQAPQHYPDANHKPEMAI ALTPFQGLCGFRPVVEIVTFLKKVPEFQFLIGDEAATHLKQTMHDSQAVASSLQSCFSHLMKSEKKVWV EQLNLLVKRISQQAAGNNMEDIFGELLQLHQYQPGDIGCFAIYFLNLLTLKPGEAMFLEANVPHAYLK GDCVECMACSDNTVRAGLTPKFIDVPTLCEMLSYPSSSKDRLFLPTRSQEDPYLSIYDPPVPDFTIMKT EVPGSVTEYKVLALDSASILLMVQGTVIASPTTQTPIPLQRGGVLFIGANESVSLKLTPEKDLLIFRAC CLL</p> <p>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</p>
Tag:	C-Myc/DDK
Predicted MW:	46.5 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.



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RefSeq: [NP_002426](#)

Locus ID: 4351

UniProt ID: [P34949](#)

RefSeq Size: 3077

Cytogenetics: 15q24.1

RefSeq ORF: 1269

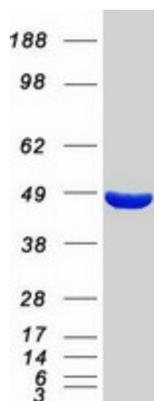
Synonyms: CDG1B; PMI; PMI1

Summary: Phosphomannose isomerase catalyzes the interconversion of fructose-6-phosphate and mannose-6-phosphate and plays a critical role in maintaining the supply of D-mannose derivatives, which are required for most glycosylation reactions. Mutations in the MPI gene were found in patients with carbohydrate-deficient glycoprotein syndrome, type Ib. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jan 2014]

Protein Families: ES Cell Differentiation/IPS

Protein Pathways: Amino sugar and nucleotide sugar metabolism, Fructose and mannose metabolism, Metabolic pathways

Product images:



Coomassie blue staining of purified MPI protein (Cat# [TP308134]). The protein was produced from HEK293T cells transfected with MPI cDNA clone (Cat# [RC208134]) using MegaTran 2.0 (Cat# [TT210002]).