

Recombinant Full Length Human MPI Protein, GST-tagged

Cat. No. MPI-6323HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human MPI full-length ORF (NP_002426.1, 1 a.a. - 423 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	423 amino acids
Description	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. [provided by RefSeq
Molecular Mass	73.1 kDa
AA Sequence	MAAPRVFPLSCAVQQYAWGKMGSNSEVARLLASSDPLAQIAEDKPYAELWMGTHP RGDAKILDNRISQKTLTSQWIAENQDSLGSVKDFTFNGNLPFLFKVLSVETPLSIQAH NKELAEKLHLQAPQHYPDANHKPEMAIALTPFQGLCGFRPVVEIIVTFLKKVPEFQFLI GDEAATHLKQTM SHDSQAVASSLQSCFSHLMKSEKKVVVEQLNLLVKRISQQAAAG NNMEDIFGELLQLHQQYPGDIGCFAYFLNLLTLKPGEAMFLEANVPHAYLKGDCE CMACSDNTVRAGLTPKFIDVPTLCCEMSYTPSSSKDRLFLPTRSQEDPYLSIYDPPV PDFTIMKTEVPGSVTEYKVLALDSASILLMVQGTVIASPTTQTPIPLQRGGVLFIGN ESVSLKLTEPKDLLIFRACCL

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Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name	MPI mannose phosphate isomerase [Homo sapiens]
Official Symbol	MPI
Synonyms	MPI; mannose phosphate isomerase; mannose-6-phosphate isomerase; mannose 6 phosphate isomerase; phosphohexomutase; phosphomannose isomerase 1; mannose-6- phosphate isomerase; PMI; PMI1; CDG1B; FLJ39201;
Gene ID	4351
mRNA Refseq	NM_002435
Protein Refseq	NP_002426
MIM	154550
UniProt ID	P34949

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