

Recombinant Human MPI protein, GST-tagged

Cat. No. MPI-301556H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human MPI (1-423 aa) protein, fused to GST tag, was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Met1-Leu423
Form	The purified protein was Lyophilized from sterile PBS (58mM Na ₂ HPO ₄ , 17mM NaH ₂ PO ₄ , 68mM NaCl, pH8.). 5 % trehalose and 5 % mannitol are added as protectant before lyophilization.
AA Sequence	MAAPRVFPLSCAVQQYAWGKMGSNSEVARLLASSDPLAQIAEDKPYAELWMGTHP RGDAKILDNRISQKTLSQWIAENQDSLGSVKDFTFNGNLPFLFKVLSVETPLSIQAHP NKELAEKLHLQAPQHYPDANHKPEMAIALTPFQGLCGFRPVVEIVTFLKKVPEFQFLI GDEAATHLKQTMSHDSQAVASSLQSCFSHLMKSEKKVVVEQLNLLVKRISQQAAAG NNMEDIFGELLQLHQQYPGDIGCFAYFLNLLTLKPGEAMFLEANVPHAYLKGCDCVE CMACSDNTVRAGLTPKFIDVPTLCEMLSYPSSSKDRLFLPTRSQEDPYLSIYDPPV PDFTIMKTEVPGSVTEYKVLALDSASILLMVQGTVIASPTTQTPIPLQRGGVLFIGAN ESVSLKLTEPKDLLIFRACCLL
Purity	90%, by SDS-PAGE with Coomassie Brilliant Blue staining.
Stability	Store for up to 12 months at -20°C to -80°C as lyophilized powder.

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Storage

Short-term storage: Store at 2-8°C for (1-2 weeks).

Long-term storage: Aliquot and store at -20°C to -80°C for up to 3 months, buffer containing 50% glycerol is recommended for reconstitution. Avoid repeat freeze-thaw cycles.

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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