

# Recombinant Human Mannose-6-phosphate isomerase(MPI)

Catalog No: #AP76932

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Package Size: #AP76932-1 20ug #AP76932-2 100ug #AP76932-3 1mg

## Description

Product Name	Recombinant Human Mannose-6-phosphate isomerase(MPI)
Brief Description	Recombinant Protein
Host Species	E.coli
Purification	Greater than 90% as determined by SDS-PAGE.
Immunogen Description	Expression Region:1-423aaSequence Info:Full Length
Other Names	Phosphohexomutase Phosphomannose isomerase
Accession No.	P34949
Uniprot	P34949
GeneID	4351;
Calculated MW	73.5 kDa
Tag Info	N-terminal GST-tagged
Target Sequence	AAPRVFPLSCAVQQYAWGKMGSNSEVARLLASSDPLAQIAEDKPYAELWMGTHPRGDAKILDNRISQKTLSSQ WIAENQDSLGSKVKDTFNGNLPFLFKVLSVETPLSIQAHPNKELAEKHLQAPQHYPDANHKPEMAIALTPFQG LCGFRPVVEIIVTFLKKVPEFQFLIGDEAATHLKQTM SHDSQAVASSLQSCFSLMKSEKVVVEQLNLLVKRIS QAAAAGNNMEDIFGELLQLHQYPGDIGCFAYFLNLLTLKPGEAMFLEANVPHAYLKGDCVECMACSDNTV RAGLTPKFIDVPTLCEMLSYPSSSKDRLFLPTRSQEDPYLSIYDPPVPDFTIMKTEVPGSVTEYKVLALDSASIL LMVQGTVIASPTTQTPIPLQRGGVLFIGNESVSLKLTPEKDLLIFRACLL
Formulation	Tris-based buffer50% glycerol
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself.  Generally, the shelf life of liquid form is 6 months at -20°C,-80°C. The shelf life of lyophilized form is 12 months at -20°C,-80°C.Notes:Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.

## Background

Involved in the synthesis of the GDP-mannose and dolichol-phosphate-mannose required for a number of critical mannosyl transfer reactions.

## References

"Genomic organization of the human phosphomannose isomerase (MPI) gene and mutation analysis in patients with congenital disorders of glycosylation type Ib (CDG-Ib)."

Schollen E., Dorland L., de Koning T.J., Van Diggelen O.P., Huijmans J.G.M., Marquardt T., Babovic-Vuksanovic D., Patterson M., Imtiaz F., Winchester B., Adamowicz M., Pronicka E., Freeze H., Matthijs G.

Hum. Mutat. 16:247-252(2000)Research Topic:Signal Transduction

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Note: This product is for in vitro research use only