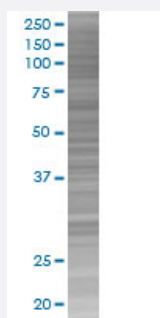


MPI 293T Cell Transient Overexpression Lysate(Denatured)

Catalog # H00004351-T01

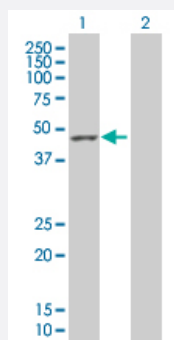
Size 100 uL

Applications



SDS-PAGE Gel

MPI transfected lysate.



Western Blot

Lane 1: MPI transfected lysate (46.7 KDa)

Lane 2: Non-transfected lysate.

Specification

Transfected Cell Line	293T
Plasmid	pCMV-MPI full-length
Host	Human
Theoretical MW (kDa)	46.7
Interspecies Antigen Sequence	Mouse (85); Rat (86)

Quality Control Testing

Transient overexpression cell lysate was tested with Anti-MPI antibody ([H00004351-B01](#)) by Western Blots.
SDS-PAGE Gel
MPI transfected lysate.
Western Blot
Lane 1: MPI transfected lysate (46.7 KDa)
Lane 2: Non-transfected lysate.

Storage Buffer

1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)

Storage Instruction

Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot

Gene Info — MPI

Entrez GeneID

[4351](#)

GeneBank Accession#

[NM_002435.1](#)

Protein Accession#

-

Gene Name

MPI

Gene Alias

FLJ39201, PMI, PMI1

Gene Description

mannose phosphate isomerase

Omim ID

[154550 602579](#)

Gene Ontology

[Hyperlink](#)

Gene 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. [provided by RefSeq]

Other Designations

Mannosephosphate isomerase (phosphomannose isomerase 1)|mannose-6- phosphate isomerase

Pathway

- [Amino sugar and nucleotide sugar metabolism](#)
- [Fructose and mannose metabolism](#)
- [Metabolic pathways](#)

Disease

- [Genetic Predisposition to Disease](#)
- [Ovarian Neoplasms](#)