

Product datasheet for **SC206649**

Mannose Phosphate Isomerase (MPI) (NM_002435) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	Mannose Phosphate Isomerase (MPI) (NM_002435) Human 3' UTR Clone
Vector:	pMirTarget (PS100062)
Symbol:	MPI
Synonyms:	CDG1B; PMI; PMI1
ACCN:	NM_002435
Insert Size:	2000 bp



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Insert Sequence: >SC206649 3'UTR clone of NM_002435
 The sequence shown below is from the reference sequence of NM_002435. The complete sequence of this clone may contain minor differences, such as SNPs.
 Blue=Stop Codon Red=Cloning site

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GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
CTGATATTCCGTGCTGTCTGCTGTAAAGGCTGCAGCCTCCCCAGCTCTCCTCTGCCAGCCACCCT
AAATTCAGCCAACCTCACCTCCTCGGGCCAGCTCAAGCCCCCTTCTTGCTCTGGACCCCTTAGGTA
TACCCTGGAAGAGCTGGGGTGGGGGAGGAGGGAGCGTGAAGGTAGTGACTCCTGAACACACCCAGGTGG
AACCATCTTTGGGGAGGAGAGGCCCGTGTGAGGGGTCTGATACTCCCTTTGTCTTCCCTCTACTCCT
CGCTACACCTGAGCCAGGCTCTTGCCAACCTGTTCAGCCTATGGCTTAGGCTAGCTGTTAAATATG
TGACCCAGCATTAGCTCAGCATCTGTGAGCAAGAGACCAGGTAATTTCTAAGAACAGGGTTCTAGCG
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TACACCCTTGTCTGTCAAAGCAATTAAGATCACTTGTGTTGAGGCTGTGGGGTAAATGAGCACTCAGC
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GGGAGAGGAAGCCAGCTTTGGCCTCACAGGCACAGCTTGAAGCAGGCCCTTGGGTCTGCCAGAGGCAC
AGCTTGAAGCAGCCCTACAGAGAAGGTGACTCAAAGGATACACCAGTCAACAGTGAAGACTCTTCGC
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AGCTGGGACCACAGGCGCCACCACCAGCCAGCCAATTTTTTGGTATTTTTAGTAGAGATGGGGTT
TCACTGTGTTAGCCAGGATGGTCTCGATCTTGACCTCGTGATCCGCCACCTCAGCCTCCCAAGTG
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AACCACTTCTCTACAACATACTCAACTGTTGCAGATTACAGGGACTCAGGAACCGAATTAGACAATTTT
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TGCAATCGTAGATCCTGTACCACAGACTAATCACTTAGTCCACTGGCTCCTTCTGTGGGATAAAGGT
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CTCATGCCGTCCAGTGAACAGGCCCGAAAAGTGATGCCAGTGGGAACAGCAGAAAGGGGAGGGAGTTT
CCAGAAGGAATTGCTGTAGTCACTGTTAAGCTATTTCTTCAATTCAGGATATCCAGGATATTCTTAAC
TTTTATTTTTTTGAGACGGAGTCTGCACTGTCTCCCGGGCTGGAGTGCAGTGGCGCGATAGTCACT
ACGCGTAAGCGGCCGCGGCATCTAGATTCAAGAAAATGACCGACCAAGCGACGCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG
  
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Restriction Sites: SgfI-MluI

OTI Disclaimer: Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences, e.g., single nucleotide polymorphisms (SNPs).

Components: The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.

RefSeq: [NM_002435.3](#)

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]

Locus ID: 4351

MW: 73.4