

PMM1 cDNA

Catalog Number: ATGD0133

PRODUCT INFORMATION

Catalog number

ATGD0133

Product type

cDNA

Species

Human

NCBI Accession No.

NP_002667.2

Alternative Names

Sec53

mRNA Refseq

NM_002676.2

OMIM

601786

Chromosome location

22q13.2

PRODUCT SPECIFICATION

Formulation

Lyophilized

Storage

Store the plasmid at -20C.

cDNA Size

789bp

Preparation before usage

1. Centrifuge at 7000rpm for 1 minute.
 2. Carefully open the vial and add 100ul of sterile water to dissolve the DNA.
- Each tube contains approximately 10ug of lyophilized plasmid.

Vector description

This shuttle vector contains the complete ORF. It is inseted Nde I to BamH I. The gene insert contains multiple cloning sites which can be used to easily cut and transfer the gene and recombination site into your expression vector.

Cloning Vector

pATGen (puc19-derived cloning vector)

General Description

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Phosphomannomutase catalyzes the conversion between D-mannose 6-phosphate and D-mannose 1-phosphate which is a substrate for GDP-mannose synthesis. GDP-mannose is used for synthesis of dolichol-phosphate-mannose, which is essential for N-linked glycosylation and thus the secretion of several glycoproteins as well as for the synthesis of glycosyl-phosphatidyl-inositol (GPI) anchored proteins.

DATA

Sequence nucleotides

```
ATGGCAGTCACCGCCCAGGCAGCCCGCAGGAAGGAGCGCGTCCTCTGCCTGTTTGACGTGGACGGGACCCTCACGCCGGC
TCGCCAGAAAATTGACCCTGAGGTGGCCGCCTTCCTGCAGAAGCTACGAAGTAGAGTGCAGATCGGTGTGGTGGGCGGCT
CTGACTACTGTAAGATCGCTGAGCAGCTGGGTGACGGGGATGAAGTCATTGAGAAGTTTGATTATGTGTTTGCCGAGAACG
GGACGGTGCAGTATAAGCACGGACGACTGCTCTCCAAGCAGACCATCCAGAACCACCTGGGGGAGGAGCTGCTGCAGGAC
TTGATCAACTTCTGCCTCAGCTACATGGCCCTGCTCAGGCTGCCAAGAAGCGTGGAACCTTCATCGAGTTCCGGAATGGC
ATGCTGAACATCTCGCCCATCGGCCGGAGCTGCACCCTGGAGGAGAGGATCGAGTTCTCCGAACCTGGACAAGAAAGAGAA
GATCCGGGAGAAGTTCGTGGAAGCCCTGAAAACAGAGTTTGCTGGCAAAGGGCTGAGGTTCTCTCGAGGAGGCATGATCA
GCTTTGACGTCTTCCCCGAGGGCTGGGACAAGCGCTACTGCCTGGATAGCCTGGACCAGGACAGCTTCGACACCATCCACT
TCTTTGGGAACGAGACTAGCCCTGGTGGGAACGACTTTGAGATCTTTGCCGACCCCGGACTGTTGGCCACAGCGTGGTGT
CTCCTCAGGACACGGTGCAGCGATGCCGGGAGATTTTCTCCAGAGACAGCTCATGAGGCGTGA
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Transaction Sequence

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MAVTAQAARR KERVLCCLFDV DGTLPARQK IDPEVAFLQ KLRSRVQIGV VGGSDYCKIA EQLGDGDEVI EKFDYVFAEN
GTVQYKHGRL LSKQTIQNLH GEELLQDLIN FCLSYMALLR LPKKRGTFIE FRNGMLNISP IGRSCTLEER IEFSELDKKE
KIREKFVEAL KTEFAGKGLR FSRGGMISFD VFPEGWDKRY CLDSLDQDSF DTIHFFGNET SPGGNDFEIF ADPRTVGHSV
VSPQDTVQRC REIFFPETAH EA
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