

Product datasheet for SC322342

PMM1 (NM_002676) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: PMM1 (NM_002676) Human Untagged Clone
Tag: Tag Free
Symbol: PMM1
Synonyms: PMM 1; PMMH-22; Sec53
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC (PS100020)
E. coli Selection: Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for SC322342
CGCGGACCTGCAGCCATGGCAGTACCGCCAGGCAGCCCGCAGGAAGGAGCGCTCCTC
TGCTGTGGTGGACGTGGACGGGACCCTCACGCCGGCTCGCCAGAAAATTGACCCTGAGGTG
GCCGCCTTCTCGAGAAGCTACGAAGTAGAGTGCAGATCGGTGTGGTGGGCGGCTCTGAC
TACTGTAAGATCGCTGAGCAGCTGGGTGACGGGATGAAGTCATTGAGAAGTTTGATTAT
GTGTTTGGCAGAAACGGGACGGTGCAGTATAAGCACGGACGACTGCTCTCCAAGCAGACC
ATCCAGAACCACCTGGGGAGGAGCTGCTGCAGGACTTGATCAACTTCTGCCTCAGCTAC
ATGGCCCTGCTCAGGCTGCCAAGAAGCGTGGAACCTTCATCGAGTTCGGGAATGGCATG
CTGAACATCTCGCCATCGCCCGGAGCTGCACCCTGGAGGAGAGGATCGAGTTCCTCGAA
CTGGACAAGAAAGAGAAGATCCGGGAGAAGTTCGTGGAAGCCCTGAAAACAGAGTTTGTCT
GGCAAAGGGCTGAGGTTCTCTCGAGGAGGCATGATCAGCTTTGACGTCTTCCCGAGGGC
TGGGACAAGCGCTACTGCCTGGATAGCCTGGACCAGGACAGCTTCGACACCATCCACTTC
TTTGGGAACGAGACTAGCCCTGGTGGGAACGACTTTGAGATCTTTGCCGACCCCGGACT
GTTGGCCACAGCGTGGTGTCTCCTCAGGACACGGTGCAGCGATGCCGGGAGATTTTCTTC
CCAGAGACAGCTCATGAGGCGTGACCGGGGCCACATCTGTGTGTCGTGACTTCTGAAGA
GTTTGGCTAGGCCTAAAGAGAGGTCTGGTGTGGATAGATGCCAGGGCCCTCCTCTG
GCCAGGACGCTGCTGCAAGCCACCCAGATGGGGCCAGAGTCTGTGTGGACAACCGTC
CCCAGCCAGTCTGCTCCTAGTGGCACTGGCTTCGTCTCCAGGGCCAGAGTGTTCCTC
ATGCTCCACCTGGTGGCCAGGCCACAGCTGCTGTTGATTTTCGGTACAGAAGAGGTTT
CTTTCTGCACCAGGAGGCGTGTCTCAAGTATCGGTACGAGATCTAGCCTGCCCTGCCT
GCCTGCCCTGGGCGATGAGGTACGGTGGGGAAGGTGCCTATTTTAGAGAAGTTTGTACACA
GTATTAAGTTCCAGAACAAAGTAAAAAAAAAAAAAAAAA

Restriction Sites: Please inquire
ACCN: NM_002676



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OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method:	<ol style="list-style-type: none"> 1. Centrifuge at 5,000xg for 5min. 2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA. 3. Close the tube and incubate for 10 minutes at room temperature. 4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom. 5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	<u>NM_002676.1</u> , <u>NP_002667.1</u>
RefSeq Size:	1210 bp
RefSeq ORF:	789 bp
Locus ID:	5372
UniProt ID:	<u>Q92871</u>
Cytogenetics:	22q13.2
Domains:	PMM
Protein Pathways:	Amino sugar and nucleotide sugar metabolism, Fructose and mannose metabolism, Metabolic pathways
Gene Summary:	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. [provided by RefSeq, Jul 2008]