

## Product datasheet for **SC215109**

### **PMM2 (NM\_000303) Human 3' UTR Clone**

#### **Product data:**

Product Type:	3' UTR Clones
Product Name:	PMM2 (NM_000303) Human 3' UTR Clone
Vector:	pMirTarget (PS100062)
Symbol:	PMM2
Synonyms:	CDG1; CDG1a; CDGS; PMI; PMI1; PMM 2
ACCN:	NM_000303
Insert Size:	1530 bp



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**Insert Sequence:** >SC215109 3'UTR clone of NM\_000303  
 The sequence shown below is from the reference sequence of NM\_000303. 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
CGCAGGATCTGTGAAGTCTGTTCTCCAACGTGGGAGCGGGAGGGGGTCCCGGCTGACAAGCCA
GCATAGGGCATTGCGTGGCCAGAGCCGAGGGTCTCCACACGTCTACCCACCCGAGCCTAGGCAG
GCTCTGCATGCTATGCCAGGCATGTGCAGTCTGGACTTCCACCTCCAGTGCCAGAAAATTCCAGAAGGA
AGGAGAAAATCTTGTAAGAATGGCCAGAGGAATGCCTCGCACAAAAGGTCTTCCCCACCCACCC
AGCCCCCTAGTCTAATACCCACCCTGATACGTGCAATCATGTAGTTTTGGCGGAAATTTCCCATCATT
CTAGGATGATACAGAAAGAAAATGTGCCTGGACCCTCCCTCTTGGTGGTCTGTGAAACATAAGCG
GTTTTTTAATGGCCCTGCATCAATACCAACATGGGGTTTTGGTAATGAGAAACCAGGACAGGCCA
TCTGCAGTGACCCAGCCAGGACGAAGTTACAAACACCTCCTGGAACGAAGCTCCGCTGCATGTCA
CCTTGATGGGGCTGTGAGTGGGCGAGTGTGATACCCAGTGACTAGACGCACTCTGCGTTTTCCCGTGT
TTGGGGCTGAGGCCTGCTGGACAGATGGCTGGCCAAGTGGGAGCAGACCTAGGGAGTTGCACCTCGG
CTGGGCCGGATTGCGACCGGCTCTGTGTTCACTACACTCAGAATAGCCTGGCTGCTTCTGTCTCCGA
GACCGGAGGTAGTGGGAACCAACAGCTGGGCTGGAGAGTTGGTGTGGCAAAAACAGTCTTGGCCTGGG
GCCGTTCTTACCAGGTCCAGAGAAAACACCGGGATGTGAGACTTACCAAAAAGGACTTTCTGGTT
GCCCTGGCTGGCTTCTGGAGGCGTTCGCTCTAGTTTCTCAGGGATGGAGCGAGGCCAGCCAGAG
AACAGTAAGAGGAGCTGCTCTCTATCTGCACTACCCAGGCTTACCCAGACTTACCACGGAGGCG
GCTGAGTGCAGCTACAGTAGGTCGCGTCCCTCACTTTTTCATCTTCTGCACGTTCTTGTGAAACT
GGAAGGATCCCGGTCTCAGCTAGAACACGGTGGAAAGAGAACTTCTAGGAAACGGTTCATGTGTAC
TTTTAGGATGTGAAACACTGAGCCATACACCCTCCATTGCTTGGTGTGGGTTGTGTGGCCTCCAC
TGGGCACTTGCCGACCTGAGTCTGGGGCCAGGGAGCCAGGCTGCCCTGCACTCCTGCCTCCAGCCC
ACAGCCAGGTGCTTTCATCACAGCTAAACCTGGTTCCTCCAAACCTCCAGCCACTCGGGCTTGTAAAC
TGTCTGAGCCCCGGATCCGGTGGGGTAAAAGCAGCCAGCTCATCCAGTGACTCACAGGACACAGCCAT
CCAGCGCATCTTCTTGTGCAATGATACTGTAATGACCTTCCAAAGTGAAGAGTAGCACATTAAGT
GATTTTATTGTT
ACGCGTAAGCGGCCGCGCATCTAGATTGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG
  
```

**Restriction Sites:** Sgfl-Mlul

**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\\_000303.3](#)

**Summary:** The protein encoded by this gene catalyzes the isomerization of mannose 6-phosphate to mannose 1-phosphate, which is a precursor to GDP-mannose necessary for the synthesis of dolichol-P-oligosaccharides. Mutations in this gene have been shown to cause defects in glycoprotein biosynthesis, which manifests as carbohydrate-deficient glycoprotein syndrome type I. [provided by RefSeq, Jul 2008]

Locus ID: 5373

MW: 56.1