

## Product datasheet for **SC212436**

### **MGAT1 (NM\_002406) Human 3' UTR Clone**

#### **Product data:**

Product Type:	3' UTR Clones
Product Name:	MGAT1 (NM_002406) Human 3' UTR Clone
Vector:	pMirTarget (PS100062)
Symbol:	MGAT1
Synonyms:	GLCNAC-TI; GLCT1; GLYT1; GNT-1; GNT-I; GnTI; MGAT
ACCN:	NM_002406
Insert Size:	2000 bp



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**Insert Sequence:** >SC212436 3'UTR clone of NM\_002406  
 The sequence shown below is from the reference sequence of NM\_002406. 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
TGGGAGGGCTATGATCCTAGCTGGAATAGCACCTGCCTGCCTTCTGGGCCCTCCTTGCCACATCA
TGAGCTGAGGTGGGACCAAGTCCCGAGCTGCATCGGCCTGCCTGTGTTTCCCTCTTAGGTGCATTTA
TCTTTTTGATTTTTCCGAGTGGCATTAAAGTGCACAAATGATAACAAGAGGATTATTCTCCCGTTCTCA
AGGGAGTCAGATCAGGGGAACTATTCTAGGGTATGTTGCGGGGATTAAGCAGGAAACCACTGTGTGGT
GGGGGGCACTGGGCTTGTGGGGCCAGAAATGTCCACGCTCTGAGCTTTCTCCTGGAGCATGTGCAGAG
AGTTTGGCAACGTTTCGCTCTCTTGACCAGACCCCTTCTCCCTGACCTGGCTCTTCCAGCCAGGGCACGA
GCCCTCCTTCTATACCTGCTCCCTTCCCCAGTGGGGACTGAGTTATGGGAGAAGGGGACATATTTGT
GGCCAAAATGATACTAACCAAAGGGGCTTCTTGTGAGGGCTGGTGGAGTTGGTGGGTCATCGGGGCT
CACTGCCTCCTGCCTTCTCTCCTGTCTGACCCCACTTAGCCCTTCTCTCCTTGACGCCTAGCAGTTT
ATAGTTCTGAGATGAAAAGTTGAAGGGGCAAGCAAGACCTCTCCTCAGCCCATGCCAGCTGTCAGGA
GAGAGGTGCAGGGAGGAAGGCCTTGTGCTGGGACAACCTCTCTTGCCTTACCTCAGAGAGGGACTAT
GCCCTGACCCCTCCTTTCTGAAAATCAGTGCCTCCCTGTTGCTCTAGGAGGCTCCTGCTGGCTTGGTA
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CGCTCCCAGGCGCCCATGTCTCACAGGCCAGGACGCCATGGCAGGATGGAGAGGACTTGGTGGATTT
TTGTTTTTGCCTGACCTCAGTTTCATGAAAGAAAGTGGAAAGTACAGAATATTTTCTAAAATAAAGG
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GAAAGCTGGTGTGCTCCTGCTTCTGCCTCCTGCTGGTGGGAGGCCTGGTCTGGGGAAGAACCAG
GTCCTCTGATCAGGGTGGTCCCTGAGTGGTGTCTTGTGCCGGTGCCTCTGCTGGCCAGGCAGTGTCT
TATTGAGTGCCCTTATGACGTGCCGGGAGCCTCAGGGTACACAGCTGATACCAGGTTGGCCTCACA
GTGGCGCTTGGACTCCCAAACGCAACCCAGTGTGAGTGTCTTGTGCTAATACCCAGAACACAGACA
GACTGTTACCTCTGCATATCACGTGCAACATTCTGAGAGTTTCTGTTCTCCACTAATTCATTTAAAAGA
ACAAAACGCGGCCGGCGCAGTGGCTTACACATGTAATCCAGCACTTTGGGAGGCTGAGGCGGACGGA
TCACGAAGTCAGGAGTTCGGGACCATCCTGGCCAACATGGTGAACCTAAAAATACTCTACTAAAAATA
CAAAAACCTTGGTGGGATGGTGGCACACCTGTAATCCAGCTACTCAGGAAGCTGAGGCTGGAGAAT
CACTTGAACCCGGGAGGCAGAGTTGCAGTAATCCAAGATCATACCACTGCCTCCAGCCTGGGCGAC
ACGCGTAAAGCGGCCGGGCATCTAGATTGCAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
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\\_002406.4](#)

**Summary:** There are believed to be over 100 different glycosyltransferases involved in the synthesis of protein-bound and lipid-bound oligosaccharides. UDP-N-acetylglucosamine:alpha-3-D-mannoside beta-1,2-N-acetylglucosaminyltransferase I is a medial-Golgi enzyme essential for the synthesis of hybrid and complex N-glycans. The protein, encoded by a single exon, shows typical features of a type II transmembrane protein. The protein is believed to be essential for normal embryogenesis. Several variants encoding the same protein have been found for this gene. [provided by RefSeq, Jul 2008]

**Locus ID:** 4245

**MW:** 73.3