

## Product datasheet for **SC212437**

### MGAT1 (NM\_001114620) Human 3' UTR Clone

#### Product data:

**Product Type:** 3' UTR Clones  
**Product Name:** MGAT1 (NM\_001114620) Human 3' UTR Clone  
**Vector:** pMirTarget (PS100062)  
**Symbol:** MGAT1  
**Synonyms:** GLCNAC-TI; GLCT1; GLYT1; GNT-1; GNT-I; GnTI; MGAT  
**ACCN:** NM\_001114620  
**Insert Size:** 1134 bp  
**Insert Sequence:** >SC212437 3'UTR clone of NM\_001114620  
 The sequence shown below is from the reference sequence of NM\_001114620. 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
TGGGAGGGCTATGATCCTAGCTGGAATAGCACCTGCCTGTCTCTCTGGGCCCTCCTTGCCACATCA
TGAGCTGAGGTGGGACCACAGTCCCAGGCTGCATCGGCCTGCCTGTGTTTCCCTCTTAGGTGCATTTA
TCTTTTTGATTTTTCCGAGTGGCATTAAAGTGCACAAATGATAACAAGAGGATTATTCTCCCGTTCTCA
AGGGAGTCAGATCAGGGAACTATTCTAGGGTATGTTGCGGGGTTAAGCAGGAAACCACTGTGTGGT
GGGGGGCACTGGGCTTGTGGGGCCAGAAATGTCCACGTCCTGAGCTTTCTCCTGGAGCATGTGCAGAG
AGTTTGGCAACGTTTCGCTCTCTTGACCAGACCCCTTCTCCCTGACCTGGCTCTTCCAGCCAGGGCACGA
GCCCTCCTTCTATACCTGCTCCCCTTCCCCAGTGGGACTGAGTTATGGGAGAAGGGGACATATTTGT
GGCCAAAATGATACTAACCAGGGGCTTCCCTGTGAGGGCCTGGTGGAGTTGGTGGGCATCGGGGCT
CACTGCCTCCTGCCCTTCTCCTGTCTGACCCCACTTAGCCCTTCTCCTTGACGCTAGCAGTTT
ATAGTTCTGAGATGGAAGTTGAAGGGGCAAGCAAGACCTCTCCTCAGCCCATGCCAGCTGTCAGGA
GAGAGGTGCAGGGAGGAAGGCCTTGTGCTGGGACAACCTCTCTTGCCTTACCTCAGAGAGGGACTAT
GCCCTGACCCCTCCTTTCTGAAAATCAGTGCCCTCCCTGTTGCTCTAGGAGGCTCCTGCTGGCTTGTA
GAAGACAGAATTCGATCTGCCTGTCCCTTTTTCCCTGGGGTTTGACACACAGGCTCCTCTCAGCATGA
GGTGGAGCAGTGACCAGGTGGAGCAGTGACCAGGACGCCCTCTGGCCAGTGTGCCAGCCCTCCCGCC
CGCTCCAGGGCGCCCATGTCTCACAGGCCAGGACGCCATGGCAGGATGGAGAGGACTTGGTGGATTT
TTGTTTCTGCTGACCTCAGTTTATGAAAGAAAGTGAAGCTACAGAATTATTTTCTAAAATAAAGG
CTGAATTGTCTGAAAAATAAAAAAAAAAAAAA
ACGCGTAAGCGGCCGCGCATCTAGATTGGAAGAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG
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**Restriction Sites:** SgfI-MluI



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<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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.
<b>RefSeq:</b>	<u><a href="#">NM_001114620.1</a></u>
<b>Summary:</b>	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]
<b>Locus ID:</b>	4245
<b>MW:</b>	41.8