

Product datasheet for **SC322762**

MGAT4C (NM_013244) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MGAT4C (NM_013244) Human Untagged Clone
Tag:	Tag Free
Symbol:	MGAT4C
Synonyms:	GNTIVH; HGNT-IV-H
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for SC322762
 CGAAGAGAATGTTTAAATTTTCATCAAAATGAAACATATTTTTGAAATACTTGATAAAATGA
 GATGCCTGAGAAAACGTTCTACAGTGTCATTCTTGGGAGTTCTTGTCATTTTTCTCCTTT
 TTATGAACTTGTACATTGAAGATAGCTATGTTCTGGAAGGAGACAAACAATTATAAGGG
 AAACATCCACACATCAACTGAATTCAGAACGCTATGTTTCATCTTTCAAGGATTTATCTA
 ATTTCTCAGGAGCCATAAATGTCACCTATCGCTACCTAGCTGCCACACCTTTACAAGAA
 AGCGGTATCTTACAATTGGACTTTCTTCAGTAAAGCGAAAAAAGGAACTATTTACTTG
 AGACAATTAAGTCAATTTTTGAGCAATCCAGCTATGAAGAGCTGAAGGAAATTTTCAGTGG
 TGGTTACCTAGCAGACTTTAATTCTTCTGGCGTGATGCCATGGTCCAGGATATTACAC
 AGAAATTTGCGCACCATATTATTGCAGGAAGATTAATGGTTATACATGCTCCAGAGGAGT
 ATTACCAATCTAGATGGCCTTAAAGAAATTACAATGATCCAGAAGATAGAGTCAAAAT
 TTCGTTCCAAGCAAAATGTAGATTATGCTTTTCTGCTTAATTTTTGTGCCAATACTTCAG
 ACTATTATGTAATGCTTGAAGATGATGTTTCGATGTTCAAAAAATTTCTTAAGTCCATCA
 AGAAAGTCATTGCATCCCTAGAAGGAAGTAACTGGGTAAGTCTTGAATTCTTAAGCTTG
 GCTACATTGGTAACTCTATCATTCTCATGATCTCCACGTTTGGCCATTTTTTATTAA
 TGTTTTATCAAGAAATGCCTTGTGATTGGCTATTGACTCATTTCCGTGGTCTGTTGGCTC
 AGAAAAATGTGATCCGTTTTAAACCATCTCTTTTCAGCACATGGGCTATTATTATCAT
 ACAAGGGACGGAGAATAAGCTGAAGGATGATGATTTTGAAGAGGAGTCATTTGACATTC
 CTGATAACCCCTGCAAGTCTGTACACCAACATGAATGTGTTTGAAGAAATTATGAAGCAA
 GCAAGGCTTACAGTAGTGTGATGAGTACTTTTGGGGAAACACCTTCAACAGGAGATG
 TTTTGTGATTGTATTTGAAATCCAATTATAAAAAAAATTAAGTAAATACTGGAA
 CAGAAGATCGGCAAAATGATATTTGCATCATGGAGCCCTAGATGTTGGGAAAAACGTTA
 TGCCTAGCAAAACAAAGGAGACAATGTTCTAGTTACTTAAGACTAGGAGAATTCAAAAAAT
 GAAACTTTGAAATGTCAGGTGTAATCAAAAAATTCATTTGATATACATTGTATGAGGA
 TATATGTACCAAAACACAAAAGGAATGGCTAATTATTAGGAGTATTAGCATTTGGACTT
 CTAGCCAATTAATCAGTATGTTTCAGTTTCTGAAAAAAAAAAAAAAAAAAAAAAAAAAAA
 AA
 AA

Restriction Sites: Please inquire

ACCN: NM_013244

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:	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_013244.2, NP_037376.1</u>
RefSeq Size:	2565 bp
RefSeq ORF:	1437 bp
Locus ID:	25834
UniProt ID:	<u>Q9UBM8</u>
Cytogenetics:	12q21.31-q21.32
Domains:	Glyco_transf_55
Protein Families:	Transmembrane
Gene Summary:	Glycosyltransferase that participates in the transfer of N-acetylglucosamine (GlcNAc) to the core mannose residues of N-linked glycans. Catalyzes the formation of the GlcNAcβ1-4 branch on the GlcNAcβ1-2Manα1-3 arm of the core structure of N-linked glycans. Essential for the production of tri- and tetra-antennary N-linked sugar chains (By similarity). Does not catalyze the transfer of GlcNAc to the Manα1-6 arm to form GlcNAcβ1-4Manα1-6 linkage ('GnT-VI' activity).[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (4), as well as variants 5-10, encodes isoform c. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.