

Product datasheet for **SC115345**

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:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene ORF within SC115345 sequence for NM_013244 edited (data generated by NextGen Sequencing)

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ATGTTTAAATTTTCATCAATGAAACATATTTTTGAAATACTTGATAAAATGAGATGCCTG
AGAAAAACGTTCTACAGTGTCACTTCTGGGAGTTCTTGTCATTTTTCTCCTTTTTATGAAC
TTGTACATTGAAGATAGCTATGTTCTGGAAGGAGACAAACAACCTATAAGGGAACATCC
ACACATCAACTGAATTCAGAAGCTATGTTCTACTTTCAAGGATTTATCTAATTTCTCA
GGAGCCATAAATGTCACCTATCGCTACCTAGCTGCCACACCTTTACAAAGAAAGCGGTAT
CTTACAATTGGACTTTCTTCAGTAAAGCGAAAAAAGGAACTATTTACTTGAGACAATT
AAGTCAATTTTTGAGCAATCCAGCTATGAAGAGCTGAAGGAAATTTCAAGTGGTGGTTCAC
CTAGCAGACTTTAATTCTTCTGGCGTGATGCCATGGTCCAGGATATTACACAGAAATTT
GCGCACCATATTATTGCAGGAAGATTAATGGTTATACATGCTCCAGAGGAGTATTACCCA
ATCCTAGATGGCCTTAAAGAAATTACAATGATCCAGAAGATAGAGTCAAATTTCTGTTCC
AAGCAAAATGTAGATTATGCTTTTCTGCTTAATTTTTGTGCCAATACTTCAGACTATTAT
GTAATGCTTGAAGATGATGTTTCGATGTTCAAAAAATTTCTTAAGTCCATCAAGAAAGTC
ATTGCATCCCTAGAAGGAACTTACTGGGTAAGTCTTGAATTTCTTAAGCTTGGCTACATT
GGTAAACTCTATCATTCTCATGATCTCCACGTTTGGCCATTTTTTATTAATGTTTTAT
CAAGAAATGCCTTGTGATTGGCTATTGACTCATTTCCGTGGTCTGTTGGCTCAGAAAAAT
GTGATCCGTTTTAAACCATCTCTCTTTCAGCACATGGGCTATTATTATCATACAAAGGG
ACGGAGAATAAGCTGAAGGATGATGATTTTGAAGAGGAGTCATTTGACATTCCTGATAAC
CCCCCTGCAAGTCTGTACACCAACATGAATGTGTTGAAAATTATGAAGCAAGCAAGGCT
TACAGTAGTGTGATGAGTACTTTTGGGGGAAACACCTTCAACAGGAGATGTTTTGTG
ATTGTATTTGAAAATCCAATTATAATAAAAAAATTAAGTAAATACTGGAACAGAAGAT
CGGCAAAATGATATTTTGCATCATGGAGCCCTAGATGTTGGGGAAAACGTTATGCCTAGC
AAACAAAGGAGACAATGTTCTACTTAAAGACTAGGAGAATTCAAAACGGAAACTTT
GAAATGTCAGGTGTAATCAAAAAATTCATTTGATATACATTGTATGAGGATATATGTC
ACCAAAACACAAAAGGAATGGCTAATTATTAGGAGTATTAGCATTTGGACTTCTTAG
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Clone variation with respect to NM_013244.3
1311 t=>c

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_013244 unedited

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TGTATACGACTCTATAGGCGGCCCGCAATTCGCACGAGGGGATCTAGAGAGCTGTCAC
ATTCCAAGAATATTTAAATTGTGCTGATTTTCTTCTGGAGAACTGAGCCAGGGAATGAA
ACTCTCCATCAAGTCATGGCTTTGCGGGCAATAGATCAGAGGATATTGCCAGTTTTCTAA
TGGATTATTGTTATCGGGCAGGTTTTCTCTGAAGGAACTGGAGATCAGCCAGATCACTTG
TATGCACAAAGCTGCTGTGGATCTGTCTTTCAAACAAGAGCTGCAGAAAACGCTATAGCA
AGGTTGAAGCTTTATCCACTCTGACTCACCCAGAAAGCACAGCCCTGATTCTGCGTGAGA
AAGGCTATCTCTACAGAACTAAAACGGTATCAACGGTTTTCTGTACAGCACAGATTATGA
CAGCGTCTTTCTTAAGAAGAGAATGTTTAAATTTTCATCAATGAAACATATTTTTGAAAT
ACTTGATAAAATGAGATGCCTGAGAAAACGTTCTACAGTGTATTCTTGGGAGTTCTTGT
CATTTTTCTCCTTTTATGAACCTGTACATTGAAGATAGCTATGTTCTGGAAGGAGACAA
ACAACCTATAAGGGAACATCCACACATCAACTGAATTCAGAAGCTATGTTCTACTTTT
CAAGGATTTATCTAATTTCTCAGGAGCCATAAATGTCACCTATCGCTACCTAGCTGCCAC
ACCTTTACAAAGAAAGCGGTATCTTACAATTGGACTTTCTTCAGTAAAGCGAAAAAAGGA
AACTATNTACTTGAGACAATTAAGTCAATTTTTGAGCAATCCAGCTATGAAGAGCTGAAG
GGAAATTCAGTGGTGGGTTACCTAGCAGACTTTAATC
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3' Read Nucleotide Sequence:	>OriGene 3' read for NM_013244 unedited <pre> TGGTATGGAACTTCCTTGTCAGNANAGCACTGGGNGAGGGTCACAGGGATGCCACCCG GGATCTGTTTCAGGAAACAGCTATGACCGCGGCCGAATCTAGAGTCGAGTTTTTTTTTTT TTTTTTCATAGGGTCACCTACACAAAAATTATGTAAGACACCACTTCTATGAGGAGG TATTCATTGTAATGTACAAAAGTCAACGGAACCTAATTTTACAGAAAAATAAACAG ATTATCATTCCACCACTGTATATCCACAGATGCTTAATAAAAGCTATCTGATGATA TAATGAATTATCAGTTCTTGAGGAAGTATACAGTTGGTGACTATTTTCAAAAATCAT CATCCAACAAATTTTTTTCATTTAAAATCTTTCATATTACCCTTTCGACAATCAGTTGAA ATTTTAAACTAAGAACATTTAAAAATATAAATGAAAGTAGCATTAGCTATAGACTGATA TTCAACTTCAGACGTTAAAAATAACAAGTGTGTATTAAGAGTAAAATTATGTCAACAA TGTATAAATGAAAAGTCCCAATGTAATTAATGTTTCTTTTAAACATATCCCATCCATTGCT TTCCCTCCAAAAGACAAAGGTAGCAAAAGACGAAGCAGGAAGAACTGCTTCAGAACTGA ACATACTGATTTAATTGGCTAAGAAGTCCCAAAGCTAATACTCCTAATAATTAGCCCATT CTTTTGTTTGGTGACATATATCCTCATACATTGTATATCAAATGGGAATTTTGGATT TACACCTGACATTTCAAAGGTTNCCGTNTTGGAAATNCTCCTAGTCTTAAAGAAAGAAAA ACATGGTCTCCTTTGGTTTGCTAGGCAATAACGCGTTTCCCCCAAT </pre>
Restriction Sites:	NotI-NotI
ACCN:	NM_013244
Insert Size:	2380 bp
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).
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:	NM_013244.2 , NP_037376.1
RefSeq Size:	2565 bp
RefSeq ORF:	1437 bp
Locus ID:	25834
UniProt ID:	Q9UBM8
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 GlcNAc β 1-4 branch on the GlcNAc β 1-2Man α 1-3 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 Man α 1-6 arm to form GlcNAc β 1-4Man α 1-6 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.