

Product datasheet for **MC203185**

Mgat2 (NM_146035) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Mgat2 (NM_146035) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Mgat2
Synonyms:	AA407964; CDGS2; GLCNACTII; GNT-II; GNT2
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >BC027169
 GCGGTGCGTCCCGGAGCGGGGCGAGGCTGCGGCGTTCCGGTGTGCGCCGTTCCGCCGTGCGAGCAAGGATGA
 GCGCGCAGAGGACGCAGAGCCACGGGCAGCGCAGGTAAGGAATCACGGTGTCCGGCACC CGCGGGGGC
 TTCTTCCGGGACCCCGGGTGTGAATGGAGAGGACCGAGGCGACGTTGAGCCCGGGCTCGTAGCGGCGG
 GGCGGCTGCCGGAGCTGCAACTGCCAGAGAGGATGCGCGGAGCCCGGGCGGCGGAGGCAGTTGAGAGCC
 TTCGGGCCAGGACGCCGGAGCCCGGGTTCGGTGTGAGGAGGCGCCCGGGGGCCAGTTCTTAGGGT
 GCAGGCCAAGGCGACGGCGCCCGCCCGCCCTTCGGTGCAGAGGCCGCCAGTTCTTTCCCGGCC
 GCCTCCGGGCCCTGGAGACCATGAGGTTCCGCATCTACAAACGGAAGGTGCTAATCCTGACGCTCGTGG
 TGGCCGCTGCGGCTTCGTCTCTGGAGTAGCAATGGGCGACAAAGGAAGAGCGACGCCCTTGGCCGCG
 GCTGTGGACGCGGAGCCGTACGGGGTGGGGCCACCTTGTGTGTCCGTAGGCATCCGACGGGTCTCA
 AACGAATCGGCCCTCTCTGGTCCCGCGGTCCCGGGCCGGAGGTGGACAACCTAACGCTGCGGTACC
 GGTCCCTGGTGTACCAGTTGAACTTCGATCAGATGCTGAGGAACGTCGGTAATGACGGCACCTGGAGCCC
 CGGGGAGCTGGTGTGGTCCAGGTGCATAACAGGCCGAATACCTCAGTTGCTGATAGACTCGCTT
 CGCAAAGCCAGGGTATTCAGGAAGTCTAGTCATCTTTAGCCATGACTTCTGGTCCGAGAGATCAACA
 GTCTGATCTCCAGGGTGGATTTCTGCCGTTCTGCAAGTGTCTTTCCGTTTCAGATTAGCTGTACCC
 GAATGAGTTTCCGGTAGTGACCTAGAGATTGCCCCAGAGACCTAAAGAAGAATGCAGCTCTGAAGTTG
 GGTGCATCAATGCCAATACCCTGACTCCTTCGGCCATTACAGAGAGGCCAAGTTCTCACAAACCAAAAC
 ACCATTGGTGGTGAAGCTGCATTTTGTATGGAAAGAGTCAAAGTTCTTCAAGATTACACTGGCCTTAT
 ACTTCTTCTGGAAGAGGACCACTACTTAGCCCCAGACTTTTACCATGTCTTCAAAAAGATGTGAAAAGT
 AAGCAGCAGGAGTGTCTGGGTGTGACGTCCTCTCTAGGGACCTACACCACCTTCGGAGTTTCTATG
 GCATTGCTGACAAAGTAGATGTGAAAAGTGGAAATCGACAGAGCACAACATGGGGCTAGCCTTGACCCG
 AGATGCATATCAGAAGCTTATCGAATGCACGGACACTTTCTGTACTTACGATGATTATAACTGGGACTGG
 ACTCTTACAGTATTTGACTCTAGCTTGTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCT
 TTTTTCATGCTGGAGACTGTGGTATGCATCACAAGAAAACATGTAGGCCATCCACCCAGAGTGGCCAAAT
 TGAGTCATTATTAATAGCAACAACAATACCTGTTTCCGAAACTCTAGTTATCGGTGAGAAGTTTCTT
 ATGGCAGCCATTTCCACCTAGGAAAAATGGAGGGTGGGGAGATATTAGGGACCATGAACTCTGTAAAA
 GTTATAGAAGACTGCAGTGAGGAAAAAATATCACAATTGCAAAAGCAAAAGTACAGTCTTCTATTTT
 TTATATTTGTCTCAATGGGATATACAATTGAATAAAGGTATAGGAACCGGCTCTGCTTAAATACATAAA
 CTTCTTGTAAAAGGTGTCCAGATACATAGCAATCTTTCCAGTTAGGACTGATTAATAATTTCAAAGTAA
 ATTTTCATTTGGGACTGGGTTTTAAAAATTCAGTCTATCTGCTTAAAAGTAAATGATTAGATTATTGATAA AAAAAAAAAAAAAA

Restriction Sites: RsrII-NotI

ACCN: NM_146035

Insert Size: 1329 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: [BC027169](#), [AAH27169](#)

RefSeq Size: 2043 bp

RefSeq ORF: 1329 bp

Locus ID: 217664

UniProt ID: [Q921V5](#)

Cytogenetics: 12 C2

Gene Summary: Plays an essential role in protein N-glycosylation. Catalyzes the transfer of N-acetylglucosamine (GlcNAc) onto the free terminal mannose moiety in the core structure of the nascent N-linked glycan chain, giving rise to the second branch in complex glycans. [UniProtKB/Swiss-Prot Function]