

Product datasheet for **MC200852**

Mgat2 (BC010583) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Mgat2 (BC010583) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Mgat2
Synonyms:	GNT2, CDGS2, GNT-II, GLCNACTII, MGC37173
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >BC010583
 GCGGTGCGTCCCGGAGCGGGGCGAGGCTGCGGCGTTCCGGTGTGCGCCGTTCCGCCGTGCGAGCAAGGATGA
 GCGCGCAGAGGACGCAGAGCCACGGGCAGCGCAGGTAAGGAATCACGGTGTCCGGCACC CGCGGGGGC
 TTCTTCCGGGACCCCGGGTGTGAATGGAGAGGACCGAGGCGACGTTGAGCCCGGGCTCGTAGCGGCGG
 GGCGGCTGCCGGAGCTGCAACTGCCAGAGAGGATGCGCGGAGCCCGGGCGGCGGAGGCAGTTGAGAGCC
 TTCGGGCCCCAGGACGCCGGAGCCCGGGTTCGGTGTGAGGAGGCGCCCGGGGGCCAGTTCTTAGGGT
 GCAGGCCAAGGCGACGGCGCCCGCCCGCCCTTCCGTGACAGGCGCCAGTCTTTTCCCGGCC
 GCCTCCGGGCCCTGGAGACCATGAGGTTCCGCATCTACAAACGGAAGGTGCTAATCCTGACGCTCGTGG
 TGCCCGCTGCGGCTTCTCCTCTGGAGTAGCAATGGGCGACAAAGGAAGAGCGACGCCCTTGGCCCGC
 GCTGTGGACGCGGAGCCGTACGGGTGCGGGCCACCTTGTGTGTCCGTAGGCATCCGAGGGTCTCA
 AACGAATCGGCCCTCTCTGGTCCC CGCGGTCGCGGCGGAGGTGGACAACCTAACGCTGCGGTACC
 GGTCCCTGGTGTACCAGTTGAACTTCGATCAGATGCTGAGGAACGTCGGTAATGACGGCACCTGGAGCCC
 CGGGGAGCTGGTGTGGTCCAGGTGCATAACAGGCCGAATACCTCAGTTGCTGATAGACTCGCTT
 CGCAAAGCCAGGGTATTCAGGAAGTCTAGTCATCTTTAGCCATGACTTCTGGTCCGAGAGATCAACA
 GTCTGATCTCCAGGGTGGATTTCTGCCCGTTCTGCAAGTGTCTTTCCGTTTCAGATTAGCTGTACCC
 GAATGAGTTTCCGGTAGTGACCTAGAGATTGCCCCAGAGACCTAAAGAAGAATGCAGCTCTGAAGTTG
 GGTGCATCAATGCCAATACCCTGACTCCTTCGGCCATTACAGAGAGGCCAAGTTCTCACAAACCAAAAC
 ACCATTGGTGGTGAAGCTGCATTTTGTATGGAAAGAGTCAAAGTTCTTCAAGATTACACTGGCCTTAT
 ACTTCTCTGGAAGAGGACCACTACTTAGCCCCAGACTTTTACCATGTCTTCAAAAAGATGTGAAAAGT
 AAGCAGCAGGAGTGTCTGGGTGTGACGTCCTCTCTAGGGACCTACACCACCTTCGGAGTTTCTATG
 GCATTGCTGACAAAGTAGATGTGAAAAGTGGAAATCGACAGAGCACAACATGGGGCTAGCCTTGACCCG
 AGATGCATATCAGAAGCTTATCGAATGCACGGACACTTTCTGTACTTACGATGATTATAACTGGGACTGG
 ACTTTCAGTATTTGACTCTAGCTTGTCTTCTAAAATCTGAAAAGTCTTAGTTCTCAGGCTCCTAGGA
 TTTTTCATGCTGGAGACTGTGGTATGCATCACAAGAAAACATGTAGGCCATCCACCCAGAGTGCCCAAT
 TGAGTCATTATTAATAGCAACAACAATACCTGTTTCCGAAAACCTAGTTATCGGTGAGAAGTTTCTT
 ATGGCAGCCATTTCCACCTAGGAAAAATGGAGGGTGGGGAGATATTAGGGACCATGAACTCTGTAAAA
 GTTATAGAAGACTGCAGTGAGGAAAAAATATCACAATTGCAAAAGCAAAAGTACAGTCTTCTATTTT
 TTATATTTGTCTCAATGGGATATACAATTGAATAAAGGTATAGGAACCGGCTCTGCTTAAATACATAAA
 CTTCTTGTAAAAGGTGTCCAGATACATAGCAATCTTTCCAGTTAGGACTGATTAATAATTTCAAAGTAA
 ATTTTCATTTGGGACTGGGTTTTAAAATTCAGTCTATCTGCTTAAAAGTAAATGATTAGATTATTGATAA AAAAAAAAAA

Restriction Sites: RsrII-NotI

ACCN: BC010583

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:	BC010583 , AAH10583
RefSeq Size:	2042 bp
RefSeq ORF:	1329 bp
Locus ID:	217664
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]