

Product datasheet for **MC218520**

Mgat4b (BC031613) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Mgat4b (BC031613) Mouse Untagged Clone
Tag: Tag Free
Symbol: Mgat4b
Synonyms: AA407995; GnTIVb
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >BC031613
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGATGTATGCACAGTCCAAAGGCATCTACTATGTGCAGCTGGAGGATGACATTGTAGCCAAGCCCACT
ACTTGAGCACTATGAAGAACTTTGCCCTCAGCAGCCCTCCGAGGACTGGATGATCCTGGAGTTCTCGCA
GTTGGGCTTCATTGGGAAGATGTTCAAGTCACTGGATCTGAGCCTGATTGTGGAGTTCATCCTCATGTTCC
TACCGGGACAAGCCCATAGACTGGCTCCTGGACCACATCCTGTGGGTGAAAGTCTGCAACCTGAGAAGG
ATGCGAAACATTGTGATCGGCAGAAAGGCCAACCTTCGGATCCGCTTCAAGCCGTCCTTTCCAGCATGT
GGGCACTCACTCATCACTGGCGGGCAAAATCCAGAAACTGAAGGATAAAGACTTTGGAAAGCATGCTCTC
CGGAAGGAGCAGTGAACCCACCGGCAGAGGTGAGCACAAGCCTCAAGACGTACCAGATTTACCCCTGG
AGAAGGCTACTTGCAGGAGGATTTCTTCTGGCCTTACACCTGCCGCAGGAGACTTTATCCGTTCCG
CTTCTCCAGCCACTGCGCCTTGAGCGGTTCTTCTCCGAAGCGGAACATCGAGCACCCGGAAGATAAG
CTCTTCAACACTTCTGTGGAGGTGCTGCCCTTTGATAACCCCAAGTCAAGAGGAGGCCCCTTCAAGAG
GCCGCTCAGCACTCCTGGTACCCTAGGAGCCAGATGGATACCTCCAGATTGGCTCCTTCTACAAGGG
TGTAGCTGAAGGAGAAGTGGATCCTGCCTTTGGCCCCCTGGAAGCACTAGTCTCTCCATTCACTGAC
TCCCCGGTGTGGGTCATTTTGTGAGTCTTTCTGAAAAGGCCGACTAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCTGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: BC031613
Insert Size: 891 bp



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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:	<ol style="list-style-type: none">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>BC031613</u> , <u>AAH31613</u>
RefSeq Size:	1426 bp
RefSeq ORF:	890 bp
Locus ID:	103534
Cytogenetics:	11 B1.3
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 GlcNAcbeta1-4 branch on the GlcNAcbeta1-2Manalpha1-3 arm of the core structure of N-linked glycans. Essential for the production of tri- and tetra-antennary N-linked sugar chains. Has lower affinities for donors or acceptors than MGAT4A, suggesting that, under physiological conditions, it is not the main contributor in N-glycan biosynthesis (By similarity). [UniProtKB/Swiss-Prot Function]