

## Product datasheet for **RN214504**

### **Mgat5b (NM\_001107068) Rat Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Mgat5b (NM_001107068) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Mgat5b
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >RN214504 representing NM\_001107068  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGCGTGCCCGCTGGACCTCTGACCCTGCTACGCTTCTTTGGAGTAGACGGCACCGAGTGCTCCTTCC  
 TCATCTACCTCAGTGAGGTTGAGTGTTCTGCCCGCTTCCCTGGAGGAACCAGACAGCCACCCGGAC  
 AGCCACAAAGTCCCTTCCAGAGTCCAGGCTATGTTCCGAGCAACCTGTCCACCTCCTGGAGCTGATG  
 GGCAGTGGGAAGGAGTCCCTTATCTTCATGAAGAAGCGAACAGGCGGTTACCGCACAGTGACCAAAAG  
 CTGCCAAGTACCTAGCACAGAAGCTGGGGGACATCCGGAGGGACCAGAAGCAAATCCTTGTCCACATCGG  
 CTTCTGACAGAGGAGTCTGGGACGTGTTAGCCCAAGGGTCTGAAGGGCGGGCTCTGGGAGAGATG  
 GTGCAGTGGGCAGACATTCTGGCTGCTGTACATGCTGGCCACAGCCTGCGGGTACAGTTTCCCTGA  
 AGGAGTGCAGAGTAACCTAGGGGTGCCCGAGCCGGGGGAACGCCACTCACCGTACCTCTGCCTTT  
 TGACCTCATCTACACGGACTATCATGGCCTGCAGCAGATGAAACAGTACATGGGGCTGTCTTCAAGAAG  
 TACCGGTGCAGAAATCCGAGTGATCGACACCTTCGGGACGGAGCCAGCGTACAACCATGAGGAGTATGCCA  
 CACTGCATGGCTACCGGACCAACTGGGGTACTGGAACCTCAACCCCAAGCAGTTCATGACCATGTTCCC  
 TCACACCCAGACAACCTCCTCATGGGCTTCGTGTCTGAGGAGCTCAATGAGACCGAGAAGCAGCTCATC  
 AAAGATGGCAAAGCCAGCAACATGGCAGTGGTGTACGGCAAGGAGGCGAGTATCTGGAAGGGCAAGGAGA  
 AGTTCCTGGCCATCCTCAACAAGTACATGGAGATCCACGGTACCGTGTACTATGAGAGCCAGCGGCCACC  
 CGAGGTCCTGCCTTTGTGAAGAACCATGGCCTTCTGCCACAGCCTGAGTTCAGCAGCTGCTGCCTAAG  
 GCCAAGCTCTTTATAGGGTTCGGATTCCCCTACGAGGGCCAGCACCCTGGAGGCCATCGCCAACGGCT  
 GCATCTTCTACAGTCTCGATTACGCCACCCACAGCTCCCTCAACCACGAGTTCCTCCGGGGCAAGCC  
 CACCTCCAGGGAGGTGTTCTCCAGCATCCCTATGCAGAGAACTTCATCGGCAAGCCTCATGTGTGGACC  
 GTGGACTATAACAACCTCCGATGAGTTTGAAGTACCATTAAGGCCATCATGAACCCAGGTGGACCCGT  
 ATCTGCCCTATGAGTACACCTGTGTGGGATGCTGGAACGGATCAACGCCTACATCCAACACCAGGACTT  
 CTGTGGGGTCCCAGCCCTGTTCCACTGGGGTCCAACACTGCCAGAGTCTCTTTGTCTTAGCCCTAAT  
 GCAACTCATCTCGAGTGGGCCAGAACATCAGTCCGTTCCGGGAGCCTGGCCCCCTCCCCTCTCTGC  
 GGGCTGGCTGGCAGCCCTGGAAGGGCTGCACGGACGCTGCCTGGACCACGGACTAGTGTGCGAGCC  
 TTCATTCTCCCTTCTCAACAGCCAAGATGCGTTCCTCAGGCTGCAGGTGCCCTGTGACAGCACAGAG  
 TGGGAGATGCATCACTTGTACCCCGCTTTGCCAGCCGGGCCAAGAGTGCTACCTACAGAAAGAGCCGC  
 TGCTTTCAGCTGTGCAGGCGCCAGCACCAAGTACCAGAGGCTCTGTCCCTGCCGTGACTCCGCAAGGG  
 CCAGGTGGCCTGTGCCAGGGCTGCCT**GTGA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM\_001107068
- Insert Size:** 1851 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\\_001107068.1](#), [NP\\_001100538.1](#)

**RefSeq Size:** 3947 bp

**RefSeq ORF:** 1851 bp

**Locus ID:** 303693

**Cytogenetics:** 10q32.2