

Product datasheet for **RN208968**

Mgat4b (NM_001127533) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Mgat4b (NM_001127533) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Mgat4b
Synonyms:	RGD1562836
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN208968 representing NM_001127533
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGAGGCTCCGCAATGGCACCTTCTGACGCTGCTGCTTCTGCTTGTGCGCCTTCTCTCTCTCTCT
 GGTACGCAGCGCTCAGCGGCCAGAAAGGTGACGTGGTGGACATTTACCAGCGCGAGTTCTGGCACTGAG
 AGACCGTTTGACCGGGCTGAGCAAGAGAGCCTGAAGCGCTCCAAGGAGCTAAACCTGGTCTGGAAGAA
 ATCAAGAGGGCAGTGTCCGAGAGGCAGGCGCTGCGGGACGGAGAAGGCAATCGCACTTGGGGCCGCTAA
 CAGAGGATCCGCGACTGAAGCCGTGGAACGTCTCGCACAGGCACGTACTTCATCTGCCACCCTTCCCA
 CCATCTGCCGCACCTGCTGGCTAAGGAAAGCAGTCTGCAGCCCGAGTGCAGTGGGCCAGGGCCGACC
 GGAGTGTCCGTGGTATGGGCATTCGAGCGTGCAGCGGAGGTGCACTCGTACTTGACTGACACATTGC
 ACTCGCTCATCTCGGAGCTGAGCCCGCAGGAGAAGGAAGACTCGGTCATCGTGGTCTGATCGCCGAGAC
 TGATACACAGTACACGTGGCAGTGACAGAGAACATCAAAGCCTTGTTCACAGAGATCCATTCTGGG
 CTCTGGAAGTCACTCCCTTCCCTCACTTCTATCCTGACTTCTCCCGCCTTCGAGAGTCTTTGGGG
 ATCCCAAGGAGAGAGTCAGGTGGAGGACAAACAGAACCTCGATTACTGCTTCTCATGATGATGCACA
 GTCCAAAGGCATCTACTACGTGCAGCTGGAGGATGACATTGTAGCCAAGCCCACTACTTGAGCACTATG
 AAGAACTTTGCCCTCCAGCAGCCCTCTGAGGACTGGATGATCCTGGAGTTCTCGCAGCTGGGCTTATTG
 GGAAGATGTTCAAGTCACTGGATCTGAGCCTGATTGTGGAATTCATCCTATGTTCTACCGAGACAAGCC
 CATCGACTGGCTCCTGGACCACATCCTGTGGGTGAAAGTCTGCAACCCTGAGAAGGATGCGAAACATTGT
 GATCGGCAGAAGGCCAACCTTCGGATCCGCTTCAAGCCGTCCTCTTCCAGCACGTGGGCACTCACTCAT
 CCCTGGCGGGCAAAATCCAGAACTGAAGGATAAAGACTTTGGAAGCATGCTCTACGGAAGGAGCACGT
 GAACCCACCGGGGAGGTGAGCACAAGCCTGAAGACGTACCAGCATTTCCACCTGGAGAAGGCCTACTTG
 CGAGAGGATTTCTTCTGGCCTTCAACCTGCTGCCGGAGACTTCATCCGTTCCGCTTCTTCCAGCCAC
 TGCGCCTCGAGCGTTCTTTTTCCGAAGCGGGAACATTGAGCACCCAGAAGATAAGCTCTTCAACACTTC
 TGTGGAGGTGCTGCCCTTCGATAACCCCGAGTCAAGAGAAGGAGGCCCTTCCAGGAGGGCCGCTCAGCCACT
 CTCCGGTACCCTCGAGCCCTGATGGCTACCTCCAGATTGGCTCCTTCTACAAGGTGTAGCTGAAGGAG
 AAGTGGATCCTGCCTTTGGCCCCCTGGAAGCACTGCGTCTCTCCATTGACTGACTCCCGGTGTGGGT
 CATTTTGAGTGAGATCTTCTGAAAAAGGCCGACTAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul

ACCN: NM_001127533

Insert Size: 1647 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_001127533.1](#), [NP_001121005.1](#)

RefSeq Size: 2395 bp

RefSeq ORF: 1647 bp

Locus ID: 303100

Cytogenetics: 10q22