

Product datasheet for **RR208968**

Mgat4b (NM_001127533) Rat Tagged ORF Clone

Product data:

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



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ORF Nucleotide Sequence:

>RR208968 representing NM_001127533
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAGGCTCCGCAATGGCACCTTCTGACGCTGCTGCTTCTGCTTGTGCGCCTTCTCTCTCTCTCTCT
 GGTACGCAGCGCTCAGCGGCCAGAAAGGTGACGTGGTGGACATTTACCAGCGCGAGTTCTGGCACTGAG
 AGACCGTTTGACCGGGCTGAGCAAGAGAGCCTGAAGCGCTCCAAGGAGCTAAACCTGGTCTGGAAGAA
 ATCAAGAGGGCAGTGTCCGAGAGGCAGGCGCTGCGGGACGGAGAAGGCAATCGCACTTGGGGCCGCTAA
 CAGAGGATCCGCGACTGAAGCCGTGGAACGTCTCGCACAGGCACGTACTTCATCTGCCACCCTCTTCCA
 CCATCTGCCGCACCTGCTGGCTAAGGAAAGCAGTCTGCAGCCCGAGTGCAGTGGGCCAGGGCCGACC
 GGAGTGTCCGTGGTATGGGCATTCGAGCGTGCAGCGGAGGTGCACTCGTACTTGACTGACACATTGC
 ACTCGCTCATCTCGGAGCTGAGCCCGCAGGAGAAGGAAGACTCGGTCATCGTGGTCTGATCGCCGAGAC
 TGATACACAGTACACGTGGCAGTACAGAGAACATCAAAGCCTTGTTCACACAGAGATCCATTCTGGG
 CTCTGGAAGTCACTCCCTTCCCTCACTTCTATCCTGACTTCTCCCGCCTTCGAGAGTCTTTGGGG
 ATCCCAAGGAGAGAGTCAAGTGGAGGACAAACAGAACCTCGATTACTGCTTCTCATGATGATGCACA
 GTCCAAAGGCATCTACTACGTGCAGCTGGAGGATGACATTGTAGCCAAGCCCACTACTTGAGCACTATG
 AAGAACTTTGCCCTCCAGCAGCCCTCTGAGGACTGGATGATCCTGGAGTTCTCGCAGCTGGGCTTATTG
 GGAAGATGTTCAAGTCACTGGATCTGAGCCTGATTGTGGAATTCATCCTATGTTCTACCGAGACAAGCC
 CATCGACTGGCTCCTGGACCACATCCTGTGGGTGAAAGTCTGCAACCCTGAGAAGGATGCGAAACATTGT
 GATCGGCAGAAGGCCAACCTTCGGATCCGCTTCAAGCCGTCCTTCCAGCAGTGGGCACTCACTCAT
 CCCTGGCGGGCAAATCCAGAACTGAAGGATAAAGACTTTGAAAGCATGCTCTACGGAAGGAGCAGT
 GAACCCACCGCGGAGGTGAGCACAAGCCTGAAGACGTACCAGCATTTACCCCTGGAGAAGGCCTACTTG
 CGAGAGGATTTCTTCTGGCCTTACACCTGCTGCCGGAGACTTCATCCGTTCCGCTTCTTCCAGCCAC
 TGCGCCTCGAGCGTTCTTTTTCCGAAGCGGAAACATTGAGCACCCAGAAGATAAGCTCTTCAACACTTC
 TGTGGAGGTGCTGCCCTTCGATAACCCCGAGTACAGAGAAGGAGGCCCTTCCAGGAGGCCGCTCAGCCACT
 CTCCGGTACCCTCGAGCCCTGATGGCTACCTCCAGATTGGCTCCTTCTACAAGGTGTAGCTGAAGGAG
 AAGTGGATCCTGCCTTTGGCCCCCTGGAAGCACTGCGTCTCTCCATTGACTGACTCCCCGGTGTGGGT
 CATTTTGAGTGAGATCTTCTGAAAAAGGCCGAC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR208968 representing NM_001127533
 Red=Cloning site Green=Tags(s)

MRLRNGTFLTLFLCLCAFLSLSWYAALSGQKGDVVDIYQREFLALRDRLHAAEQESLKRKSELNLVLEE
 IKRAVSRQALRDGEGNRTWGRLTEDPRLKPWNVSHRHVHLHPTVFHHLPHLLAKESSLQPAVRVQGRT
 GVSVMGIPSVRREVHLSYLDTLHLSLISELSPQEKEDSVIVVLI AETDTQYTSAVTENIKALFPTEIHS
 LLEVISPSPHFYPDFSRLRESFGDPKERVWRWKQNLDYCFLLMYAQSKGIYYVQLEDDIVAKPNYLSM
 KNFALQQPSEDWMI L EFSQLGF IGKMFKSLDL SL IVEF ILMFYRDKPIDWLLDHILWVKCNPEKDAKHC
 DRQKANLRIRFKPSLFQHVGHSSLAGIQKLDKDFGKHALRKEHVNPPEAVSTSLKTYQHFTLEKAYL
 REDFFWAFTPAAGDFIRFRFFQPLRLERFFFRSGNIEHPEDKLFNTSVEVLPFDNPQSEKEALQEGRSAT
 LRYPRSPDGYLQIGSFYKVAEGEVDPAFGPLEALRLSIQTDSPVWVILSEIFLKKAD

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_001127533

ORF Size: 1644 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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

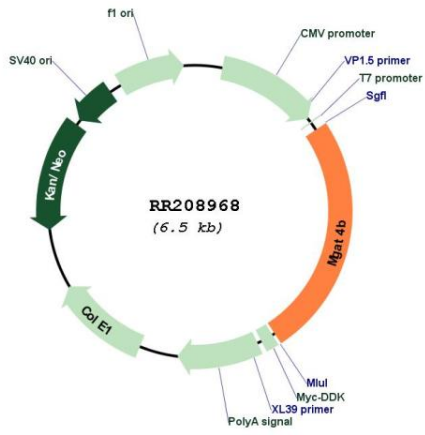
RefSeq ORF: 1647 bp

Locus ID: 303100

Cytogenetics: 10q22

MW: 63.3 kDa

Product images:



Circular map for RR208968