

Product datasheet for **RN207590**

Mgat3 (NM_019239) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Mgat3 (NM_019239) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Mgat3
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

Fully Sequenced ORF: >RN207590 representing NM_019239
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAAGATGAGACGCTACAAGCTTTTTCTCATGTTCTGTATGGCCGGCCTGTGCCTCATCTCCTTCTCTGC
 ACTTCTTTAAGACGTTATCCTATGTCACCTTCCGAGAGAACTGGCCTCCCTCAGCCCTAACCTCATATC
 CAGCTTCTTCTGGAACAATGCCCTGTCACTCCCCAGGCCAGTCCGGAGCCCGGTGACCCCGACTTGTTA
 CGGACTCCACTCTACTCCACTCCCCCTGCTCCAGCCACTGTCCCTAGCAAGGCCACCGAAGAACTGC
 ACCGGGTGGACTTCGTGTGCCGGAGGACACCACAGATATTTGTGCGCACAAAGCTGGCGGTGTGTG
 CTTCAAACCAGGTACCAGGATGCTGGAGAACTTCTCCAGGGCGGACAGAGGAGAAGACCAAGGTGGCT
 GAGGGTCTCGGTCCGGGTCTGCTCGGAGGCCTATGCGGCATGTGTTGAGTGCACGGGAGCGCCTGG
 GAGGCCGGGGCACTAGGCGCAAGTGGTGTGAGTGTGTGCTGCCAGGCTGGCACGGGCCAGCTGCGG
 GGTGCCACTGTGTCCAGTATCCAACCTGCCACCAAGGAGCGCTGGTACCCAGGGAGTGGCCGAGG
 CGGGTTATCAACGCCATCAACATCAACCATGAGTTCGACCTGCTGGATGTGCGCTTCCATGAGCTGGGCG
 ATGTTGTGGACGCCTTTGTGGTCTGCGAATCCAATTTACCGCCTACGGGGAGCCTCGGCCGCTCAAGT
 CCGAGAGATGCTGACCAATGGCACCTTCGAGTACATCCGCCACAAGGTGCTTACGTCTTCTGGACCAC
 TCCCACCTGGTGGCCGTGAGGACGGCTGGATTGCAGACGACTACCTGCGTACCTTCCACCCAGGATG
 GTGTCTCCCGCCTGCGCAACCTGCGACCTGATGACGTCTTTATCATCGACGACGGGACGAGATCCCTGC
 GCGTGATGGTGTGCTGTTCTCAAGCTCTACGATGGCTGGACAGAGCCCTTCGCCTTCCATATGCGCAAG
 TCCCTGTATGGTTCTTTTGAAGCAACCAGGCACACTGGAGTGGTGTGACAGGCTGCACCATGCCAATTTTCG
 TGAGGCTGTGTATGGGCTGGACGGCATCCGCTGCCCGCCGTCAGTACTACCCATGCCAATTTTCG
 ACAGTATGAGAACCAGCCGACCACATCCTAGTGCAGTGGTCTCTCGGCAGCCCCCTGCACTTCGCGGGC
 TGGCACTGCTCCTGGTGTTCACACCCGAGGGCATCTACTTCAAACCTCGTGTGCGCCAGAAATGGTACT
 TCCCCGCTGGGGTACTACGAGGACAAGAGGGACCTCAATTACATCCGAAGCTTGATTGCACTGGGGG
 ATGGTTCGACGGCACGCAGCAGGAGTACCCTCCTGCAGACCCAGTGAACACATGTATGCTCCTAAGTAC
 CTGCTCAAGAATATGACCAGTTCGCTACTTGTGCGAAAATCCCTACCGGGAGCCCAAGAGCACTGTAG
 AGGGTGGCGCCGAACCAGGGCTCAGACGGAAGGTCATCTGCTGTCAGGGGCAAGTTGGATAACAACGGA
 GGGTAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_019239
- Insert Size:** 1617 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_019239.2](#), [NP_062112.2](#)

RefSeq Size: 2678 bp

RefSeq ORF: 1617 bp

Locus ID: 29582

UniProt ID: [Q02527](#)

Cytogenetics: 7q34

Gene Summary: enzyme that catalyzes the addition of N-acetylglucosamine to the beta-linked mannose of the trimannosyl core of N-linked sugar chains [RGD, Feb 2006]