

Product datasheet for **RN201823**

Mgat1 (NM_030861) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Mgat1 (NM_030861) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Mgat1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >RN201823 representing NM_030861
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGCTGAAGAAGCAGTCTGCAGGGCTTGTGCTTTGGGGTCTATCATCTTTGTGGCTGGAATGCCCTGC
 TGCTCCTTTCTTCTGGACAGCCCAGCACCTGGCAGGCTGCCCTCAGACAGTGCCCTTGGTGATGACCC
 TGCCAGCCTCACCCGTGAGGTATCCACCTGGCCGAGGACGCCGAGGCGGAGTTGGAGCGCAGCGGGGA
 CTA**CTGCAGCAGATCAAGGAGCATTATTCTCTGTGGAGGCAGAGGTGGAGAGTCCACCCGTGGCCCTC**
CAGCCTGGCCCGTGTGCCTGGACCCCTCACAGCTGTGATCCCACTTCTGGTCATTGCCTGTGACCG
CAGCACTGTCCGGCGCTGCCTGGATAAGTTGTTGCACTATCGGCCCTCTGCTGAGCATTTC**CCCA****TATT**
GTCAGTCAAGACTGTGGGCATGAAGAGACAGCACAGGTCATTGCTTCTTATGGCACCGCTGCACACACA
TCCGGCAGCCAGACCTGAGTAACATTGCCGTGCAGCCAGACCACCGTAAGTTCAGGTTACTACAAGAT
TGCCAGGCACTACCGCTGGCGCTAGGCCAGATTTCAACAAGTCAAGTCCCGGCTGCTGGT**AGTG**
GAGGATGATCTGGAAGTGGCGCCGACTTCTTCGAGTACTTCCAGGCCACCTACCCGCTGCTGAAAGCAG
ACCCCTCCCTTTGGTGTGTGTCGGCTTGAATGATAATGGTAAGGAGCAGATGGTGGACTCCAGCA**AACC**
TGAGCTGCTCTATCGAACAGACTTTTTCTGGCCTTGGATGGCTGCTGTTGGCTGATCTCTGGGCAGAA
CTAGAGCCCAAGTGGCCCAAGGCCTTCTGGGACGACTGGATGCGCAGACCTGAGCAGCGGAAGGGCGGG
CTTGATTCGTCAGAAATTTCAAGAACTATGACATTTGGTCGCAAGGGTGTGAGCCATGGGCAGTTCTT
TGACCAGCATCTAAATTCATCAAGCTGAACCAGCAGTTCGTGCCCTTACCCAGTTGGACCTGTCGTAC
CTGCAGCGGGAGGCCTATGACCGGGACTTCCTTGCCAGGTCTATGGTGGCCCCAGCTGCAGGTGGAGA
AAGTGAGGACCAATGATCGGAAGGAAGTGGGGAGGTGCGGGTACAGTACACTAGCAGAGACAGCTTTAA
GGCCTTTGCTAAGGCCCTGGGTGTCATGGACGACCTCAAGTCTGGTGTCCCCAGAGCTGGCTACCGTGGC
ATTGTCACCTTCCAGTTCGGGGTGGCGTGTCCACCTGGCACCCCCAGAGACATGGAATGGCTATGATC
CTAGCTGGAAT**TAG**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_030861

Insert Size: 1344 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_030861.1](#), [NP_110488.1](#)

RefSeq Size: 2546 bp
RefSeq ORF: 1344 bp
Locus ID: 81519
UniProt ID: [Q09325](#)
Cytogenetics: 10q21
Gene Summary: enzyme involved in N-linked carbohydrate formation [RGD, Feb 2006]