

## Product datasheet for **MR208606**

### **Mgat3 (NM\_010795) Mouse Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Mgat3 (NM_010795) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Mgat3
Synonyms:	1110038J12Rik; AI848272; GnT-III
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>MR208606 ORF sequence  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGAAGATGAGACGCTACAAGCTCTTTCTCATGTTCTGTATGGCTGGCCTGTGCCTCATATCCTTCCTGC  
 ACTTCTTTAAGACCTTATCCTATGTACCTTCCGAGAGAAGTGGCTCCCTCAGCCCTAACCTCGTATC  
 CAGCTTCTTCTGGAACAATGCCCTGTCACTCCCCAGGCCAGTCCGGAGCCGGTGGCCCCGACCTATTG  
 CGGACACCCCTCTACTCCACTCTCCCCTGCTCCAGCCACTGTCCCCGAGCAAGGCCACAGAGGAACTGC  
 ACCGGGTGGACTTCGTGTGCCGGAGGACACCACGGAGTATTTTGTGCGCACAAAGCTGGTGGTGTGTG  
 CTTCAAACCAGGTACCAGGATGCTGGAGAACTTCGCCAGGGCGGACAGAGGAGAAGCCCGAAGTGTCT  
 GAGGGCTCCTCAGCCCGGGACCTGCTCGGAGGCCATGAGGCACGTGTTGAGTACGCGGGAGCGCCTGG  
 GCAGCCGGGGCACTAGGCGCAAGTGGTGTGAGTGTGTGCTGCCAGGCTGGCACGGGCCAGTTGCGG  
 GGTGCCACGGTGGTGCAGTATCCAACCTGCCACCAAGGAACGCCTGGTACCCAGGGAGTACCAGG  
 CGGTTATCAACGCCATCAACATCAACCAGAGTTCGACCTGCTGGATGTGCGTTTCCATGAGCTGGGAG  
 ATGTTGTGGACGCCTTCGTGGTCTGTGAATCTAATTTACCGCCTACGGGGAGCCTCGGCCGCTCAAGT  
 CCGAGAGATGCTGACCAATGGCACCTTCGAGTACATCCGCCACAAGGTGCTCTATGTCTTCTGGACCAT  
 TTCCCACCTGGTGGCCGTGAGGACGGCTGGATTGCGGATGACTACCTGCGCACCTTCTCACCCAGGATG  
 GCGTCTCCCGCTGCGCAACCTGCGGCCGATGACGTCTTTATCATCGACGATGCGGACGAGATCCCTGC  
 GCGTGTGGTGTGCTGTTCTCAAACCTACGATGGCTGGACAGAGCCCTTCGCCTTCCACATGCGGAAG  
 TCCCTGTATGGTTCTTCTGGAAGCAGCCGGGCACACTGGAGTGGTGTGAGGCTGCACCATGGACATGC  
 TGCAGCCGTGTATGGCTGGATGGCATCCGCTGCGCCGCCAGTACTACCCATGCCAACCTCCG  
 GCAGTATGAGAACCACCGGCCACATCCTAGTGCAGTGGTCTCTCGGCAGCCCCCTGCACCTTCGCGGGC  
 TGGCATTGCTCCTGGTGTCTCACACCCGAGGCATCTACTTTAACTCGTGTGAGCCAGAAATGGCGACT  
 TCCCCGCTGGGGTACTATGAGGACAAGAGGGACCTCAATTACATCCGCAGTTGATCCGCACTGGGGG  
 ATGGTTCGACGGAACGCAGCAGGAGTACCCTCCTGCGGACCCAGTGGACACATGTATGCTCCTAAATAC  
 CTGCTCAAGAATATGACCAGTCCGCTACTTGTGAAAATCCCTACCGGGAGCCCAAGAGCACTGAAG  
 AGGGTGGCGCCGAACAGGGCTCAGATGGAAGGCCATCTGCTGTCAGGGGCAAGTTGGATACAGTGGA  
 GGGC

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>MR208606 protein sequence  
 Red=Cloning site Green=Tags(s)

MKMRRYKFLMFCMAGLCLISFLHFFKTL SYVTFPRELASLSPNLVSSFFWNNAPVTPQASPEPGPDLL  
 RTPLYSHSPLLQPLSPSKATEELHRVDFVLPEDTTEYFVRTKAGGVCFKPGTRMLEKPSGRTEEKPEVS  
 EGSSARGPARRPMRHVLSRERLGSRGTRRKWVECVCLPGWHGSPCGVPTVVQYSNLPKTERLVPREVPR  
 RVINAININHEFDLLDVRFHELGDVDAFVVCESNFTAYGEPRPLKFREMLTNGTFEYIRHKVLYVFLDH  
 FPPGGRQDGIADDYLRFTLTQDGVSRRLRNLRPDDVFIIDDADEIPARDGVLFLKLYDGTWTEPF AFHMRK  
 SLYGFFWKQPGTLEVVSGCTMDMLQAVYGLDGIRLRRRQYYTMPNFRQYENRTGHILVQWSLGSPLH FAG  
 WHCSWCF TPEGIYFKLVSAQNGDFPRWGDYEDKRDLNIRSLIRTGGWFDGTQQEYPPADPSEHMYAPKY  
 LLKNYDQFRYLLENPYREPKSTEEGRRNQSDGRPSAVRGKLDTVEG

**TR**TRPLEQKLI SEEDLAANDILDYKDDDDKV

**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**


**ACCN:** NM\_010795

**ORF Size:** 1617 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\\_010795.4](#), [NP\\_034925.2](#)

**RefSeq Size:** 4682 bp

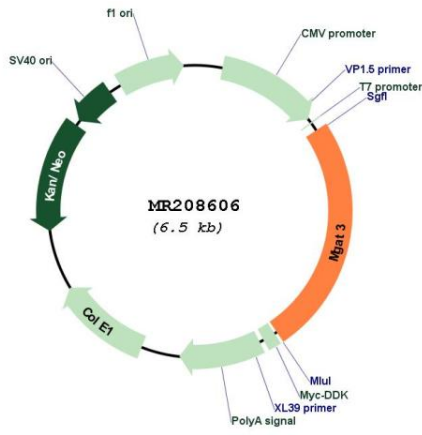
**RefSeq ORF:** 1617 bp

**Locus ID:** 17309

**Cytogenetics:** 15 37.85 cM

MW: 62.1 kDa

Product images:



Circular map for MR208606