

Product datasheet for **MG208606**

Mgat3 (NM_010795) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Mgat3 (NM_010795) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Mgat3
Synonyms:	1110038J12Rik; AI848272; GnT-III
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG208606 representing NM_010795
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAAGATGAGACGCTACAAGCTCTTTCTCATGTTCTGTATGGCTGGCCTGTGCCTCATATCCTTCTCTGC
 ACTTCTTTAAGACCTTATCCTATGTACCTTCCGAGAGAAGTGGCCTCCCTCAGCCCTAACCTCGTATC
 CAGCTTCTTCTGGAACAATGCCCTGTCACTCCCCAGGCCAGTCCGGAGCCGGTGGCCCCGACCTATTG
 CGGACACCCCTCTACTCCACTCTCCCCTGCTCCAGCCACTGTCCCCGAGCAAGGCCACAGAGGAACTGC
 ACCGGGTGGACTTCGTGTTGCCGGAGGACACCACGGAGTATTTTGTGCGCACAAAGCTGGTGGTGTGTG
 CTTCAAACCAGGTACCAGGATGCTGGAGAACTTCGCCAGGGCGGACAGAGGAGAAGCCCGAAGTGTCT
 GAGGGCTCCTCAGCCCGGGACCTGCTCGGAGGCCATGAGGCACGTGTTGAGTACGCGGGAGCGCCTGG
 GCAGCCGGGGCACTAGGCACAAGTGGTGTGAGTGTGTGCTGCCAGGCTGGCACGGGCCAGTTGCGG
 GGTGCCACGGTGGTGCAGTATCCAACCTGCCACCAAGGAACGCCTGGTACCCAGGGAGTACCAGG
 CGGTTATCAACGCCATCAACATCAACCAGAGTTCGACCTGCTGGATGTGCGTTTCCATGAGCTGGGAG
 ATGTTGTGGACGCCTTCGTGGTCTGTGAATCTAATTTACCGCCTACGGGGAGCCTCGGCCGCTCAAGT
 CCGAGAGATGCTGACCAATGGCACCTTCGAGTACATCCGCCACAAGGTGCTCTATGTCTTCTGGACCAT
 TTCCCACCTGGTGGCCGTGAGGACGGCTGGATTGCGGATGACTACCTGCGCACCTTCTCACCCAGGATG
 GCGTCTCCCGCTGCGCAACCTGCGGCCCGATGACGTCTTTATCATCGACGATGCGGACGAGATCCCTGC
 GCGTGTGGTGTGCTGTTCTCAAACCTACGATGGCTGGACAGAGCCCTTCGCCTTCCACATGCGGAAG
 TCCCTGTATGGTTCTTCTGGAAGCAGCCGGCACACTGGAGTGGTGTGAGGCTGCACCATGGACATGCG
 TGCAGCCCGTGTATGGGCTGGATGGCATCCGCCCTGCGCCGCCAGTACTACACCATGCCCAACTCCG
 GCAGTATGAGAACCAGCACCGGCCACATCCTAGTGCAGTGGTCTCTCGGCAGCCCCCTGCACTTCGCGGGC
 TGGCATTGCTCCTGGTGTCTCACACCCGAGGGCATCTACTTTAAACTCGTGTGAGCCAGAAATGGCGACT
 TCCCCGCTGGGGTACTATGAGGACAAGAGGGACCTCAATTACATCCGCAGCTTATCCGCACTGGGGG
 ATGGTTCGACGGAACGCAGCAGGAGTACCCTCCTGCGGACCCAGTGGACACATGTATGCTCCTAAATAC
 CTGCTCAAGAATATGACCAGTTCGCTACTTGTGAAAATCCCTACCGGGAGCCCAAGAGCACTGAAG
 AGGGTGGCGCCGAACAGGGCTCAGATGGAAGGCCATCTGCTGTCAGGGGCAAGTTGGATACAGTGGA
 GGGC

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>MG208606 representing NM_010795
 Red=Cloning site Green=Tags(s)

MKMRRYKFLMFCMAGLCLISFLHFFKTL SYVTFPRELASLSPNLVSSFFWNNAPVTPQASPEPGPDLL
 RTPLYSHSPLLQPLSPSKATEELHRVDFVLPEDTTEYFVRTKAGGVCFKPGTRMLEKPSGRTEEKPEVS
 EGSSARGPARRPMRHLSTRERLGSRGTRRKWVCEVCLPGWHGSPCGVPTVVQYSNLPTKERLVPREVPR
 RVINAININHEFDLLDVRFHLDVDFVDFVVCESNFTAYGEPRLKFREMLTNGTFEYIRHKVLYVFLDH
 FPPGGRQDGIADDYLRFTLTDQGVSRRLRNPDDVFIIDDAEIPARDGVLFLKLYDGTWTEPFAFHM
 RKS LYGFFWKQPGTLEVVSGCTMDMLQAVYGLDGIIRLRRRQYYTMPNFRQYENRTGHILVQWSLGSPLH
 FAG WHCSWCF TPEGIYFKLVSAQNGDFPRWGDYEDKRDNLNIRSLIRTGGWFDGTQQEYPPADPSEHMYAPKY
 LLKNYDQFRYLLENPYREPKSTEEGRRNQSDGRPSAVRGKLDTVEG

TRTRPLE – GFP Tag – V

Restriction Sites:

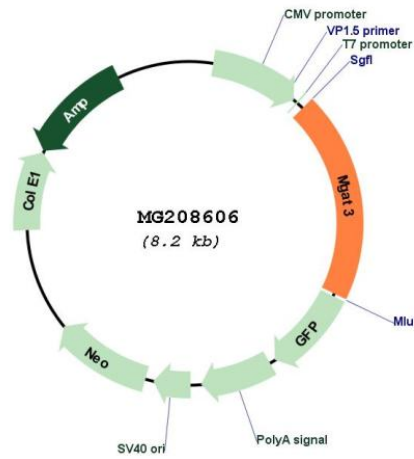
Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



Plasmid Map:



ACCN:	NM_010795
ORF Size:	1614 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:	<ol style="list-style-type: none">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:	4665 bp
RefSeq ORF:	1617 bp
Locus ID:	17309
Cytogenetics:	15 37.85 cM