

Product datasheet for **MC215842**

Mgat4e (NM_001145300) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Mgat4e (NM_001145300) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Mgat4e
Synonyms:	4931440L10Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC215842 representing NM_001145300
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGC**

ATGGAGGGAGGACTGAGGACAGGCAGGCTGCCAAGGCCCTGAGCTTTCCTCCAAAGCTTTCCTCTG
 AGTGGAGCTGGGTGTGGACCTACCCATTATCCATAAACTAGCTGCATTTGCTTGTACGCTTCTCAAGC
 ATGGCTGACAGTGGGGATCACCTCAGAGTCACGAGAGGGTCCAAATGGCCTCTTGATACACTGGCTCC
 CTGTACCACACCTCCTCCACATCCGAGCAGAAACAAATGACAGTGTGGTCCACCTGGTGACTCTGATC
 CCACCTGGCTCAGGAGAACTATCATCCGGATTTCAAGTCTCTACAGGTCCCAGATCTTGACAGGGCAATT
 GTTACTGATCCACGCCACCTGATGCCTACCCCGCTGTGAACGATGCCAGAACAAAGGTCTCTCGGGG
 CAGATCTACTCCAAGCAGAATGTAGACCATGCCTTCTAATGAGCTTTGCCACGAACTCTCCACTTACT
 TCCTCTTGATAGAGGACAATGTCTTTGTGCCCAATTTGTCAACCACATTGCTCGAAGGTGGGCTA
 CAGGAAGCCCAACACATGGGTGCTCCTCGAGTTCTCTAATATGGGCTTCTGGGCAAACTCTCCACAGC
 AGGGACCTTCCACTCCTGGCCCACTTCTCCTCCTCTTCCACAAGGAGCGACCTCTCAACTGGCTGCTCC
 TTCACTTCCGCACCCCTCTGGGCCAGCAAAGTTCAATCCTCTGCCGACCATTTCTCTTTTACCACAGGT
 GACTCACCTCACTTTTGAGAACAGACCTTAATAGGCCATGAAAAGGATCCTCCTGATCCGTATACCCTC
 AGTGGAAGTGTACACGGATATGAGGTTCTCTGATACCCACTCCCCGAGGAGGCTATACTCTGGATG
 AGTCGTTCTTCTGGTCTACAATGTCACTACAGGGAATTTTGACAGTGATTTGAACAATCCAGCGAA
 CCTCAACAGAGTGCAAGTAAGAACGGGCTCCATCAGGATGGAAGTACATCCTAGAAAAAGGACAGGTG
 GAGCTAGGCTATGATCCTGAAGGAACACCGCCACAATGCACGAGCTTTACCCTGCTGGGCCGGCTTGTG
 AAGGGCAGATGGATCAGTTCATTCTGAAAGCATTGGGTATAAAGTAAGCTGCGTGAAGCTGGCAGTGAA
 CGCTAATCAGGTCGGTGGTCTCATGATCAGGCATATCTACATCTGGGGGAAAATGCCAAAAACAGAAAA
 GATGTCCAAATTGACAACGATGACGATGACGACGACGATGACTACGACGACGATAGT**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-MluI

ACCN: NM_001145300

Insert Size: 1320 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.

Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>NM_001145300.2, NP_001138772.1</u>
RefSeq Size:	1735 bp
RefSeq ORF:	1320 bp
Locus ID:	71001
UniProt ID:	<u>A6H684</u>
Cytogenetics:	1 E4
Gene Summary:	Glycosyltransferase-like protein that may participate in the transfer of N-acetylglucosamine (GlcNAc) to the core mannose residues of N-linked glycans.[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (1) represents the shorter transcript and encodes the longer isoform (1). Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments.