

Product datasheet for **MC227248**

Mgat4e (NM_001291015) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Mgat4e (NM_001291015) 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)
Fully Sequenced ORF:	>MC227248 representing NM_001291015 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGACAGTGCTGGTCCACCTGGCTGACTCTGATCCACCTGGCTCAGGAGAACTATCATCCGGATTTC
GTCTCTACAGGTCCCAGATCTTGACAGGGCAATTGTTACTGATCCACGCCCCACCTGATGCCTACCCCGC
TGTGAACGATGCCAGAACAAAGGTCTCTCGGGGCGAGTCTACTCCAAGCAGAATGTAGACCATGCCTTC
CTAATGAGCTTTGCCACGAACTCTCACTTACTTCTCTTGATAGAGGACAATGTCTTTGTGCCCCCA
ATTTTGTCAACCACATTGCTCGAAGGTGGGTACAGGAAGCCCAACACATGGGTGCTCCTCGAGTTCTC
TAATATGGGCTTCTGGGCAAACTTCTCCACAGCAGGGACCTTCCACTCCTGGCCCACTTCTCCTCCTC
TTCCACAAGGAGCGACCTCTCACTGGGTGCTCCTTCACTTCCGACCCCTCCTGGGCCAGCAAAAGTTCAA
TCCTCTGCCGACCATTCTCTTTTACCACAGGTTGACTCACCTCACTTTTGAGAACAAAGACCTTAATAGG
CCATGAAAAGGATCCTCCTGATCCGTATACCCTCAGTGGAAGTGTACACGGATATGAGGTTCTCTGAT
ACCCACTCCCCGAGGAGGCCTATACTCTGGATGAGTCGTTCTTCTGGTCTACAATGTCACTACAGGGA
ACTATTTGACAGTGATTTTGAACAATCCAGCGAACCTCAACAGAGTGCAAGTAAGAACGGGCTCCATCAC
GGATGGAAAGTACATCTAGAAAAAGGACAGGTGGAGCTAGGCTATGATCCTGAAGGAACACCGCCACAA
TGCACGAGCTTTACCTGCTGGGCCGGCTTGTGCAAGGGCAGATGGATCAGTTCATTCTGGAAAGCATTG
GGTATAAAGTAAGCTGCGTGAAGCTGGCAGTGAACGCTAATCAGGTGCGTGGTCTCATGATCAGGCATAT
CTACATCTGGGGGAAAAATGCCAAAAACAGAAAAGATGTCCAAATTGACAACGATGACGATGACGACGAC
GATGACTACGACGACGATAGT**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI



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ACCN:	NM_001291015
Insert Size:	1074 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).
OTI Annotation:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
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_001291015.1</u> , <u>NP_001277944.1</u>
RefSeq Size:	1832 bp
RefSeq ORF:	1074 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 (2) contains an alternate exon in the 5' region and initiates translation at a downstream in-frame start codon, compared to variant 1. The encoded isoform (2) has a shorter N-terminus than 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.