

Product datasheet for **MC203486**

St6galnac3 (NM_011372) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	St6galnac3 (NM_011372) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	St6galnac3
Synonyms:	Siat7c
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >BC058387
 AGTGGTCCAGCTGCGGGGCCGAGGTGCAGCGAGTACAGGGTTCGATCCATAGCGCCATGGCCTGCATCCT
 CAAGAGGAAGCCCGTGTGTGGTGGAGCTTCATAGCCCTGTGCATCTTGTGCTAGCCATGCGCCTTGTG
 AATGATGCGACTTTCCCTTTGCTCCTGAACTGCTTTGGACAGCCTAAGACCAAATGGATCCCTTTGCCCT
 ACACATTACAGGCAGCCTCTTGAACCTCACTATGGATACATAAAATGTGAGGACCCAAGAGCCTTTGCAACT
 GAACTGTAACCACTGTCCATCGTGTCAAATTCAGGTCAAATGGTTCGGGACAGAGGTGGGGAAGAGATA
 GACCATGCATCCTGCATCTGGAGAATGAACAACGCCCAACCAAGGGCTTTGAGGAAGATGTCGGCTACA
 TGACAATGGTCCGAGTTGTGTACATACCAAGTGTCCCTCTTGTGTAATAATCCTGACTATTTTTTCAA
 AGAAGCAAGCAGGACCATTATGTTATCTGGGGCCCTTTCCGCAACATGAGGAAGGATGGTAATGGCATC
 GTGTACAACATGTTAAAGAAGACAGTTGATGCCTATCCAGATGCGCAGATCTACGTGACCACAGAGCAGC
 AGATGACTCACTGCGATAGAGTGTAAAGGATGAGACTGGAAAGGACAGAGTCCAGTCTGGCTCCTACCT
 CAGCACTGGCTGGTTTACCTTTTCTGGCTATGGATGCCTGCTACAGTATCCACGTCTACGGGATGATA
 AATGAAACCTACTGCAAGACAGAAGGTATAGAAAAGTCCCTATCACTACTATGAACAAGGAAAGATG
 AGTGTAACGAATATCTTCCATGAACATGCCCGTATGGGGACACAGGTTTCATACCCGAGAAGAAAGT
 GTTTGCCAAGTGGCCAAGAAGCACAGAATAGTATTCACACACCCGAAGTGGACGCTGCTCTGATGCCGT
 GCTTCCCACCATGACACTGCAGCTGTGGTGAAGAGAGGCTGATGGTGTGACGGTGTAGGCAGGATGTT
 CAGGGTGTGACCATGGCCCTGGACATTCTCGGTGGGATACTGACTCTGTTAGTAATTTGAACTTGGCG
 TTCCATGGGAGGCGGTACGTTTCATTCTGATCTTTCTGGTGGTTCGGCCCTATCAATTGCACTTTAAAC
 TTACCTACGGTTGAAATGAAGGCCAGTGACCTGATGGCTGTGACTAAAGAAAACAGCAAGATTACCTTTC
 AAGATAGCTGCTCAGAATTTTCAAGAGGCTTCCAGAAGTACGACTTCTGCCTGCTCAGGCAAGCTTAC
 TGAGTGCACGGGCTGCTCCCATCTTGGAAAATGGTGGACTATCAAACACTGTCCCAAGTATCCTTCAG
 GGTATAGATGTCATGCCACAGTTACCAGTCAGCCTGATAGAGGGGAGGTATCTCTTTCTGATAGCCATC
 TTCTTCCATATGCTCTCAGCGAAAGCCTCAGGCCACCTACCTAAATGTAGCAATGAAGGCATTCTGTA
 ATTCTCGGTACCAGGATTACTGGACTATCTCAGAGACTTAATTCAAAATGTATCAAGTAGCAAAATATTG
 ACAAATTTTCACTCAGACAGCTGTGCTCTCACTACTCAAAAATAATAACTAAACATATTATTACAGTTA
 CCTACGTTAATGTTTAGTTATTTTTGGTTGAGTGCTAAGTATTAACATGTTAGATATACTTCAACACTGT
 AATAACACATACTGTGAAAGCATTCTTGGAGCATAACCAAAGGGTTTCTCTCTGCTTACGCACTCAGT
 ACCAACAAATGAGATGCTTTTTGAATCACAAAACAGGAAAGCAAGACATATTTTTGCATCAATTTGTAT
 CCTATCATATTCATAATATATATTTTTAAATTCAAATTTCTATTTTATAAGCTGAAAGGGTATCTTTCCA
 TATACATTATCAATGCCAAGTGCACAACTCTTTATACCATCAAACCCAGGCTGAGCTTTTGCCTTCAT
 GGGGTTGACCATCCCTTAGGTTATCAGATGTTCTGCTAGGACAGTAAAATGGTGACGAGCTTACTCCCA
 AAGTGCTTCGCTATGCTTACATATGCTGTGTGCCATGTGACACCCACGGCCGCCTCACTGGATGATTGC
 CGGCACATTCTGCCACCCCAAGCAGCTGATCTGCATTGTTAGCTGTGTTCTGTGTCCTGTTCCCAAGTTGCTCTG
 CCTCAGAAATATATGATAGAGTAGCATTGTGTAAATTAGTATATGATTGAGTTCTCTGCCAAATACAGC
 AGAGATTATACAAGATGACCACAAGGATGGCTGTGTATAGATCAGTACCCTATAAGCTTAGATACTTTT
 AATGTTTTTGTCTGTGCTAGTGGCTCTGTTCCAGGGCTCGGGGACAATGGATAGGAATGGAAGCAGAGAA
 ATACAGTTCCTGGTCTAGGCCTGAGACGGCTTCTTCTCCGTAGATCAATGGTCTTAAATATTAGAAG
 TTGGTTTTCTGAGACACTACCAAGCATCTATAAATATCTTGGCACAACAATCAAAGCTAAAACCAGGC
 TGCATTTAATGTTTTAGAGCTGGAAATAACAATACACCTCAGCTGTAGAACCCTTGACAGGGCTAGGACTA
 AAGGCCATGTGACGTGTGACGTATTAAGATGTGCATCTTTCTACCCTACACTGTCACACTGATAGACA
 TCCACACCCACACCAAGAGTTACCAGCCCCAGCCTCATCCTGGGAGGAGTGTTATTCTATTGT
 TTGCTTATGTGACTTTTTTTTTAGTTCTATGAATGTTAGATTTTAGAGCTGATAGTGATTCAAGATGCC
 CACTTAAAGGAAAATAAATAATAGCAATGTTAAAATTTCAAAAAAAAAAAAAAAAAAAAA

Restriction Sites: Ascl-NotI
ACCN: NM_011372
Insert Size: 918 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:	<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:	BC058387 , AAH58387
RefSeq Size:	2927 bp
RefSeq ORF:	918 bp
Locus ID:	20447
UniProt ID:	Q9WUV2
Cytogenetics:	3 H3
Gene Summary:	Involved in the biosynthesis of ganglioside GD1A from GM1B. Transfers CMP-NeuAc with an alpha-2,6-linkage to GalNAc residue on NeuAc-alpha-2,3-Gal-beta-1,3-GalNAc of glycoproteins and glycolipids. ST6GalNAcIII prefers glycolipids to glycoproteins.[UniProtKB/Swiss-Prot Function]