

Product datasheet for **MC217439**

St6galnac1 (NM_011371) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	St6galnac1 (NM_011371) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	St6galnac1
Synonyms:	Siat7a
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC217439 representing NM_011371
 Red=Cloning site Blue=ORF

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGACGAGATATTGCAGAGGACTTTCCAGAGGCAAGCTTTCCTGCTTCTGACTGTGTTGGCATTGCTCT
 TTATTCTGCTCTTCGTTGTTAAGGATCCAAGGGCAAAAGATTCCAGGTGCCAGTTCATATGGAAGAATGA
 CGCAAGTGCCAGGAGAATCAACAAAAGGCTGAGCCCAAGTACCCATCATGACTGTACCCAGAGTT
 CACAACAAGGAGACAACCTCTGTCAAGTTCAAAGGACCTGAAGAAACAGGAGAGAGAGGCAGTCCAAGGAG
 AGCAAGCTGAGGGGAAGGAGAAGAGGAAGTTGGAGACCAAGGCCAGCACCAGAGAATCCTCAGAGCAA
 GGCAGAGCCTGTCAAAGACGCCTGTGTGAGAACACCTGGACAACTACCCAGAGCTCCAGGAGCACTG
 TCAACAAGGAAGACCAATGGCCACAGGAGCTGTCCAGCTAAGAAGAAAGTGGTCCAGGCTACCAAT
 CCCCTGCCTCTCCACACCCACCACACGAAGAAGGCAAAGGCTGAAGGCCTCTGAGTTCAAGTCTGA
 GCCTCGGTGGGATTTTGGAGGGAATATAGCTTGGATATGAGCAGCCTGCAGACGAACTGCTCTGCTTCT
 GTGAAGATCAAGGCCTCCAAGTACCATGGCTACAGAATATCTTTCTGCCAACATCACTCTGTTCTCGG
 ACTCTGGACGCTTCAACCAGAGCGAGTGAACCGTCTAGAGCACTTCGCTCCTCCCTTGGCTTCATGGA
 ACTCAATCAGTCCCTGGTACAGAAGGTGGTGACCCGCTTCCCTCCAGTTCGCCAGCAGCAGCTCCTCCTG
 GCCAGCCTCCCTACTGGTACTCCAAGTGTATCACCTGTGCTGTAGTGGGCAACGGGGGCATCCTGAATG
 ATTCACGTGTTGGCCGGGAGATAGACAGCCATGACTATGTTTTCCGACTGAGTGGAGCCGTTATTAAGG
 ATATGAACAGGATGTGGGACCCGGACATCCTTCTATGGCTTCACTGCTTCTCTGACCCAGTCTATC
 CTCATTTTGGGTAGACGAGGCTTCCAGCATGTGCCTCTGGAAAGGACGTCGGATATCTACACTTCTGG
 AAGGCACCCGGGACTATGAGTGGCTGGAAGCTATGTTTTGAATCAGACCTTGGCAAAAACCCACCTTTC
 CTGGTTACGGCATAGGCCTCAGGAAGCCTTCCGGAATGCCTTGGACTTGGATCGATACTTGTCTGTCAC
 CCAGACTTTCTCCGTTACATGAAGAACAGTCTTCTGAGGTCAAAGACCTGGACACTGCCATTGGAGAA
 TATACCGCCACCACCTGGTGCCTCCTGCTGCTCACAGCCCTTCTCTGTGACAAGGTGAGCGCCTA
 TGGCTTACATACCGAGGGCCACCAGCGCTTCTCTGACCACTACTATGATACATCATGAAACGGCTCATC
 TTTTATATCAACCATGACTTCAGGTTAGAGAGAATGGTGTGGAAGCGGTTGCATGATGAAGGCATCATCT
 GGCTCTACCAGCGCCACAAAGTGACAAAGCAAAGAACTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Chromatograms: https://cdn.origene.com/chromatograms/ja1656_a12.zip

Restriction Sites: SgfI-MluI

ACCN: NM_011371

Insert Size: 1581 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.

RefSeq: [BC141095](#), [AAI41096](#)

RefSeq Size: 1737 bp

RefSeq ORF: 1581 bp

Locus ID: 20445

UniProt ID: [Q9QZ39](#)

Cytogenetics: 11 E2

Gene Summary: Transfers CMP-NeuAc with an alpha-2,6-linkage to the GalNAc residues of GalNAc-O-Ser/Thr, Gal-beta-1,3-GalNAc-O-Ser/Thr and NeuAc-alpha-2,3-Gal-beta-1,3-GalNAc-O-Ser/Thr are substrates. Higher activity towards GalNAc-O-Ser/Thr.[UniProtKB/Swiss-Prot Function]