

Product datasheet for **MC226887**

St6galnac6 (NM_001289549) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: St6galnac6 (NM_001289549) Mouse Untagged Clone
Tag: Tag Free
Symbol: St6galnac6
Synonyms: Siat7f; ST6GalNAcVI
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC226887 representing NM_001289549
Red=Cloning site **Blue**=ORF **Orange**=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGC**C

ATGAGTAGCAACAAGAGCAGCGGTGAGCAGTGTGGTGTGATCCTCTTTGCCCTCATCACCATCCTCATCC
TCTACAGCTCCAACAGTGCCAACGAGGTCTTCCACTACGGCTCCCTGCGGGCCGCACGCGTCGGCCAGT
CAACCTCAAGAAGTGGAGTTTCTCCAGCGCCTACTTCCCTATCCTCGGCAACAAGACGCTGCCGTCCAGG
TGCAACCAGTGTGTGATCATCACCAGCTCCAGCCACCTGCTGGGCACAAACTGGGCCCTGAGATTGAGC
GGGCTGAGTGCACCATCCGCATGAACGATGCTCCACCTCTGGCTACTCGGCTGACGTCGGAAACAAAAC
CACCTTCCGCGTAGTGGCCATTCCAGTGTATTCCGTGTGCTGCGGAAGCCCCAGGAATTTGTCAACCGG
ACCCCTGAGACGGTGTTCATCTTCTGGGGACCCCAACAAGATGCAGAAGCCCCAGGGCAGCCTCCTGC
GCGTCATCCAGCGGGCGGCCTCATGTTCCGAACATGGAGGCCATGCCGTCTCTCCGCCCGCATGCA
GCAGTTTGACGACCTCTCCGGGTGAGACGGGCAAGGACAGGAAAAGTCCATTCTGGTTGAGCAGC
GGCTGGTTTACCATGGTATTGCGGTGGAATTGTGACCATGTGCACGTGTATGGCATGGTCCCTCCTG
ACTACTGCAGCCAGCGCCCGCCTGCAGCGCATGCCATACCACTACTATGAACCAAGGGCCGGACGA
GTGTGTACCTACATCCAGAACGAGCACAGCCGTAAGGGCAATCACCACCGCTTCATCACCGAGAAGAGG
GTCTTCTGCTCCTGGGCCAACTCTACGGTATCACCTTCTCCACCCCTCCTGGACC**TAG**

AG**GCGACCG**ACGCGTACGCGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
TGGATTACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-RsrII
ACCN: NM_001289549
Insert Size: 900 bp



[View online »](#)

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:	<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_001289549.1 , NP_001276478.1
RefSeq Size:	2567 bp
RefSeq ORF:	900 bp
Locus ID:	50935
UniProt ID:	Q9JM95
Cytogenetics:	2 B
Gene Summary:	<p>Alpha-2,6-sialyltransferase involved in the synthesis of alpha-series gangliosides. Has activity toward GD1a, GT1b and GM1b. Has no activity toward glycoproteins. Responsible for the biosynthesis of DSGG (disialylgalactosylgloboside) from MSGG (monosialylgalactosylgloboside) in kidney.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (6) differs in the 5' UTR and 5' coding region, initiates translation at a downstream start codon and uses an alternate splice splice site in the 3' terminal exon, compared to variant 4. This results in a frameshift and an early stop codon, compared to variant 4. Variants 2 and 6 encode the same isoform (2), which is shorter and has a distinct C-terminus, compared to isoform 4.</p>