

## Product datasheet for **MC227500**

### St6galnac6 (NM\_001289547) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	St6galnac6 (NM_001289547) 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:	>MC227500 representing NM_001289547 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**GCGATCGC**C

ATGGCTTGCTCGAGGCCCGCCAGCCAGTGTGACCCACAACCCTGCCCGGGCCACCTGCCGGACGCT  
GGCCTTACCCTTCAGCAGACGCCGGAGAGAGATGAGTAGCAACAAAGAGCAGCGGTGAGCAGTGTGTTG  
GATCCTCTTTGCCCTCATCACCATCCTCATCCTCTACAGCTCCAACAGTGCCAACGAGGTCTTCCACTAC  
GGCTCCCTGCGGGCCGACGCGTCGGCCAGTCAACCTCAAGAAGTGGAGTTTCTCCAGCGCCTACTTCC  
CTATCCTCGGCAACAAGACGCTGCCGTCCAGGTGCAACCAAGTGTGTGATCATCACCAGCTCCAGCCACCT  
GCTGGGCACAAACTGGGCCCTGAGATTGAGCGGGCTGAGTGCACCATCCGCATGAACGATGCTCCCACC  
TCTGGCTACTCGGCTGACGTCGGAACAAAACACCTTCCGCGTAGTGGCCCATTCAGTGTATTCCGCTG  
TGCTGCGGAAGCCCCAGGAATTTGTCAACCGGACCCCTGAGACGGTGTTCATCTTCTGGGGACCCCCAAA  
CAAGATGCAGAAGCCCCAGGGCAGCCTCCTGCGCGTCATCCAGCGGGCGGGCCTCATGTTCCCGAACATG  
GAGGCCATGCCGTCTCTCCGCCCCGATGCAGCAGTTGACGACCTTCCGGGGTGAGACGGGCAAGG  
ACAGGAAAAGTCCCATTCTGGTTGAGCACGGGCTGGTTTACCATGGTATTGCGGTGGAATTTGTGTA  
CCATGTGCACGTGTATGGCATGGTCCCTCCTGACTACTGCAGCGGCCCGCCTGCAGCGCATGCCATACC  
ACTACTATGAACCCAAGGGGCCGACGAGTGTGTACCTACATCCAGAACGAGCACAGCGGTAAGGGCAA  
TCACCACCGCTTCATCACCAGAGAAGAGGGTCTTCTCGTCTGGGCCAACTCTACGGTATCACCTTCTCC  
CACCCCTCCTGGACCTAGTTATCCTGTCCACCGATCTCGGACAGATACAAACGAAGTGGCTCTGGCCAG  
CCATTTAACCATGGCCATCTTCCAGCCAGTTCAGGCTGGCTGGAGATTTCCAGCCAATCAAATCAGGG  
CCTTGATGAGGGTTTTTTTTTCTCCAGCCAATCGGGGCTGGGGTTATCTCTTGCCAATCAGGGATT  
GGAATTCTGTATGGTT**TAA**

AG**CGGACCG**ACGCGTACGCGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC  
TGGATTACAAGGATGACGACGATAAGGTTTAA



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<b>Restriction Sites:</b>	Sgfl-RsrII
<b>ACCN:</b>	NM_001289547
<b>Insert Size:</b>	1209 bp
<b>OTI Disclaimer:</b>	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).
<b>OTI Annotation:</b>	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u><a href="#">NM_001289547.1</a></u> , <u><a href="#">NP_001276476.1</a></u>
<b>RefSeq Size:</b>	2434 bp
<b>RefSeq ORF:</b>	1209 bp
<b>Locus ID:</b>	50935
<b>UniProt ID:</b>	<u><a href="#">Q9JM95</a></u>
<b>Cytogenetics:</b>	2 B
<b>Gene Summary:</b>	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] Transcript Variant: This variant (4) encodes the longest isoform (4).