

## Product datasheet for **MC227510**

### St6gall (NM\_001252505) Mouse Untagged Clone

#### Product data:

<b>Product Type:</b>	Expression Plasmids
<b>Tag:</b>	Tag Free
<b>Symbol:</b>	St6gall
<b>Synonyms:</b>	AW742324; Si; Siat1; St6G; St6gal; St6Gal-I; St6gall
<b>Mammalian Cell Selection:</b>	Neomycin
<b>Vector:</b>	pCMV6-Entry (PS100001)
<b>E. coli Selection:</b>	Kanamycin (25 ug/mL)
<b>Fully Sequenced ORF:</b>	>MC227510 representing NM_001252505 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**GCGATCGCC**

ATGATTCATACCAACTTGAAGAGAAAGTTTCAGCTGCTTTGTCTGGTCTTTCTCCTGTTGCCATCATCT  
GCGTGTGGAAGAAAGGGAGCGACTATGAGGCTCTTACATTGCAAGCCAAGGTATTCCAGATGCCGAAGAG  
CCAGGAGAAAGTGGCCGTGGGGCTGCTCCCCAGGCTGTGTTCTCAAACAGCAAACAAGACCCTAAGGAA  
GGCGTTCAGATCCTCAGTTACCCAGGGTACAGCCAAGGTCAAGCCACAGCCCTCCTTGCAGGTGTGGG  
ACAAGGACTCCACATACTCAAACCTTAACCCAGGCTGCTGAAGATCTGGAGGAACATCTGAACATGAA  
TAAATATAAAGTGTCTACAAGGGCCGGGACCAGGAGTCAAGTTCAGCGTAGAGGGCTGCGCTGCCAC  
CTTCGAGACCAGTGAATGTGTCTATGATAGAGGCCACAGATTTTCCCTTCAACACCACTGAATGGGAGG  
GTTACCTGCCAAGGAGAACTTCAGAACCAAGGCTGGCCCTGGCATAAGTGTGCCGTCTGTCTTCTGC  
AGGATCTCTGAAGAACTCCAGCTGGGTCGAGAGATTGATAATCATGATGCGGTCTGAGGTTAATGGG  
GCACCTACAGACAATTCCAACAGGATGTGGGCACAAAACTACCATCCGCCTAGTGAACCTCAGTTAG  
TCACCACAGAAAAGCGCTTCTGAAGGACAGTTGTACACCGAAGGAATCCTGATTCTGTGGGACCCATC  
TGTGTATCATGCAGACATCCGCAGTGGTATCAGAAGCCAGACTACAACCTCTCGAAACCTATAAGAGT  
TACCGAAGGCTTACCCAGCCAGCCTTTTACATCCTCAAGCCAGATGCCATGGGAACATATGGGACA  
TCATTAGGAAATCTCTCCAGATCTGATTAGCCGAATCCCCATCCTCCGGCATGCTGGGTATCATCAT  
TATGATGACGCTGTGACCAAGTTGATATTTACGAGTTCTCCCATCCAAGCGCAAGACAGATGTGTGC  
TACTATCACCAGAAGTTCTTTGACAGCGCTGCACGATGGGTGCCATCCGCTCCTCTTCGAGAAGA  
ATATGGTGAAGCATCTCAATGAGGGAACAGATGAAGACATTTATTTGTTTGGGAAAGCTACCCTGTCTGG  
CTTCCGGAACAATCGTGTGA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



<b>Restriction Sites:</b>	Sgfl-Mlul
<b>ACCN:</b>	NM_001252505
<b>Insert Size:</b>	1212 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>Note:</b>	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
<b>RefSeq:</b>	<a href="#">NM_001252505.1</a> , <a href="#">NP_001239434.1</a>
<b>RefSeq Size:</b>	4177 bp
<b>RefSeq ORF:</b>	1212 bp
<b>Locus ID:</b>	20440
<b>UniProt ID:</b>	<a href="#">Q64685</a>
<b>Cytogenetics:</b>	16 14.03 cM

**Gene Summary:**

This gene encodes a member of glycosyltransferase family 29. The encoded protein is a type II membrane protein that catalyzes the transfer of sialic acid from CMP-sialic acid to galactose-containing substrates. The protein, which is normally found in the Golgi but can be proteolytically processed to a soluble form, is involved in the generation of the cell-surface carbohydrate determinants and differentiation antigens HB-6, CD75, and CD76. This gene has been incorrectly referred to as CD75. Alternatively spliced transcript variants have been observed for this gene, and a pseudogene of this gene is located on chromosome 15.

[provided by RefSeq, Nov 2011]

Transcript Variant: This variant (2) differs in the 5' UTR compared to variant 1. Variants 1, 2 and 3 encode the same protein.