

## Product datasheet for **MC227349**

### St3gal3 (NM\_001285520) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** St3gal3 (NM\_001285520) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** St3gal3  
**Synonyms:** Siat3; Siat6; ST3GalIII; ST3N  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >MC227349 representing NM\_001285520  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGGGACTCTTGGTATTTGTGCGCAATCTGCTGCTAGCCCTCTGCCTCTTCTGGTCTGGGATTTTGT  
 ATTATTCTGCCTGGAAGCTACACTTACTCCAATGGGAAGACTCCAATTCATTGCTCTTTCCCTTGACTC  
 CGCTGGACAAACCCTAGGCACAGAGTATGATAGGCTGGGCTTCCCTCTGAAGCTGGACTTAAACTGCCT  
 GCCGAGCTAGCCACCAAGTACGCAAACTTTCCGAGGGAGCTTGCAAACCCGGCTACGCTTCAGCCATGA  
 TGACTGCCATCTTCCCCAGGTTCTCCAAGCCAGCACCCATGTTCCCTGGATGACTCCTTTCGAAAGTGGGC  
 TAGGATCCGGGAGTTTGTGCCACCTTTGGGATCAAAGGTCAAGACAATCTGATCAAAGCCATCTTGTC  
 GTCACCAAAGAATACCGCTGACCCCTGCCTTGGACAGCCTCCACTGCCGCCGCTGCATCATTGTAGGCA  
 ATGGAGGGTCTCGCCAACAAGTCTCTGGGGTACGGATTGACGACTATGACATTGTGATCAGACTGAA  
 CTCAGCACCTGTGAAGGGCTTTGAGAGGGACGTGGCAGCAAGACCACCTACGCATCACCTACCCTGAG  
 GGCCCATGCAGCGACCTGAGCAATATGAACGAGACTCTCTTTGTCTCGTGGCTTCAAGTGGCAGG  
 ACTTCAAGTGGCTGAAGTACATCGTCTACAAGGAGAGAGTGAGTGCATCTGATGGCTTCTGGAAGTCCGT  
 GGCCACCCGAGTGCCCAAGGAGCCCTGAGATCCGCATCCTCAACCCATACTTCATCCAGGAGGCTGCC  
 TCACTCTCATTGGACTGCCCTTCAACAACGGCCTCATGGCAGAGGGAACATCCCAACCTTGGCAGTG  
 TGGCAGTGACCATGGCACTACACGGCTGTGATGAAGTGGCAGTCGCGGGCTTTGGCTATGACATGAACAC  
 ACCCAATGCACCCCTGCACTACTATGAACTGTGCGCATGGCAGCCATCAAAGAGTCTGGACACACAAC  
 ATCCAGCGAGAGAAAGAGTTTCTGCGGAAGCTAGTGAAGGCACGTGCATCACTGACTTAAGCAGCGGTA  
 TCTGA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI



[View online >](#)

<b>ACCN:</b>	NM_001285520
<b>Insert Size:</b>	1125 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_001285520.1</a></u> , <u><a href="#">NP_001272449.1</a></u>
<b>RefSeq Size:</b>	2617 bp
<b>RefSeq ORF:</b>	1125 bp
<b>Locus ID:</b>	20441
<b>UniProt ID:</b>	<u><a href="#">P97325</a></u>
<b>Cytogenetics:</b>	4 D1- D2.1
<b>Gene Summary:</b>	<p>Catalyzes the formation of the NeuAc-alpha-2,3-Gal-beta-1,4-GlcNAc-, NeuAc-alpha-2,3-Gal-beta-1,3-GlcNAc- and NeuAc-alpha-2,3-Gal-beta-1,3-GalNAc- sequences found in terminal carbohydrate groups of glycoproteins and glycolipids. The highest activity is toward Gal-beta-1,3-GlcNAc and the lowest toward Gal-beta-1,3-GalNAc.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (3) differs in the 5' UTR compared to variant 1. Variants 1, 2 and 3 all encode isoform a.</p>