

## Product datasheet for RN204622

### St3gal3 (NM\_031697) Rat Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	St3gal3 (NM_031697) Rat Untagged Clone
Tag:	Tag Free
Symbol:	St3gal3
Synonyms:	Siat6
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>RN204622 representing NM_031697 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**GCGATCGC**C

ATGGGACTCTTGGTATTTGTACGCAACCTGCTGCTAGCCCTCTGCCTCTTCTGGTCCTGGGATTTTTGT  
ATTATTCTGCCTGGAAGCTACACTTACTCCAATGGGAAGACTCCAATTCAGTATTCTTTCCCTTGACTC  
CGCTGGACAAACCTAGGCACAGAGTATGATAGGCTGGGTTTCCCTCCTGAAGCTGGACTTAAACTGCCT  
GCAGAGCTGGCCACCAAGTACGCTAACTTTCCGAGGGAGCCTGCAAACCCGGCTACGCTTCAGCCATGA  
TGACTGCCATCTTCCCCAGTTCTCCAAGCCAGCACCCATGTTCTCGGATGACTCCTTTCGAAATGGGC  
TAGGATTCCGGGAGTTTGTGCCACCCTTTGGGATCAAAGGTCAAGACAATCTGATCAAAGCCATCTTGCA  
GTCACCAAAGAATACCGCTGACCCCTGCCTTGGACAGCCTCCACTGCCGCCGCTGCATCATCGTAGGCA  
ATGGAGGGTCTCGCCAACAAGTCTCTGGGGTACGAATTGACGACTATGACATTGTGATCAGATTGAA  
CTCAGCACCTGTGAAGGGCTTTGAGAAGGACGTGGGCAGCAAGACCACCTGCGCATCACCTACCCTGAA  
GGTGCCATGCAGCGCCTGAGCAATATGAACGAGACTCTCTTTGTACTAGCTGGCTTCAAGTGGCAGG  
ACTTCAAGTGGCTGAAGTACATCGTCTACAAGGAGAGAGTGAGCGCATCCGATGGCTTTCGGAAGTCCGT  
GGCCACCCGAGTGCCCAAGGAGCCCCCTGAGATCCGCATCCTCAACCCGTAATCCAGGAGGCTGCC  
TTCACGCTCATCGGACTGCCCTTCAACAATGGCCTCATGGGCAGAGGGAACATCCCAACCTTGGCAGTG  
TGGCAGTGACCATGGCACTCGATGGCTGTGATGAAGTGGCAGTCGCGGGCTTTGGCTATGACATGAACAC  
ACCCAACGCCCCCTGCACTACTATGAAACTGTGCGCATGGCAGCCATCAAAGAGTCTGGACACACAAC  
ATCCAGCGAGAGAAAGAGTTTCTGCGGAAGCTAGTGAAAGCACGCGTCATCACTGACTTAAAGCAGTGGA  
TCTGA

AG**GCGACCG**ACGCGTACGCGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC  
TGGATTACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-RsrII



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<b>ACCN:</b>	NM_031697
<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>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>NM_031697.1, NP_113885.1</u>
<b>RefSeq Size:</b>	1207 bp
<b>RefSeq ORF:</b>	1125 bp
<b>Locus ID:</b>	64445
<b>UniProt ID:</b>	<u>Q02734</u>
<b>Cytogenetics:</b>	5q36
<b>Gene Summary:</b>	plays a role in the formation of terminal carbohydrate groups of glycolipids and glycoproteins [RGD, Feb 2006]