

## Product datasheet for RN202342

### St3gal5 (NM\_031337) Rat Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	St3gal5 (NM_031337) Rat Untagged Clone
Tag:	Tag Free
Symbol:	St3gal5
Synonyms:	Siat9
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>RN202342 representing NM_031337 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGCCAAATGAGTTCACCTCTGCAAAGCTGAGAAGTGATTGCTCAAGGACCTCCCTGCAATGGTACACCC  
AGACCCAGCACAAAGATGAGAAGACCCAGCTTGTATTAAAAGACATCCTCAAGTGCATGTTGGTTGTGT  
TGGAGTGTGGCTCCTGTACATCCTCAAGTTAAATTACACTGCTGAAGAATGTGACATGAAAAACTGAAT  
TATGTAGACCCTGCCGAATAAAGAGAGCTCATAGAAACTCAGGAAGTCTTTCAGAAGGAATGTCGTC  
CTGGGCACGCGAAGAAACTATGGATCTGTTATTTAAGGGCAAGTACAGCATGGACTTGGAGCCTTTCGT  
GCAGAAGATCCCCACAGCCAGTGAAGCTGAGCTCAAGTATGACCCGCCTTTGGATTCCGGAAAGTCTCC  
AGTAAAGTCCAGAGCCTCTTGGATATGCTGCCTGAGCAGCACTTTCCTGAACACTTGAGAGCCAAGCACT  
GCAAGCGCTGTGTGGTATTGGGAACGGGGCATCCTTACCGACTAGAGCTGGGCCACGCACTCAACCA  
GTTTCGATGTGGTAATAAGGTTAAACAGCGCACCAATTGAGGGTATTCTGAACATGTTGGAAATAAACT  
ACTATAAGGATGACTTACCCAGAGGGTGTCCACTGTCGGACGCTGAATACTACGCTAATGACTTGTTCG  
TTGCTGTTTTATTTAAGAGTGTGATTTCAAATGGCTTCAAGCAATGGTAAAAATGAAAGCCTGCCATT  
TTGGATTCGTCTCTTTTGAAGCAGGTGGCAGAAAAATCCCACTCCAGCCAAGCATTTCAGGATT  
TTGAACCCAGTTATCATCAAAGAACTGCCTTCGACATCCTTCAGTACTCAGAGCCTCAGTCAAGATTCT  
GGGCCATGATAAGAATATCCCCACGATCGGCATCATTGCCATTGTCTGGCCACGCATCTGTGTGATGA  
AGTTAGCCTGGCAGGCTTTGGATATGACCTCAGTCAACCAAGGACCCCTCTGCACTACTTTGACAGTCAG  
TGCATGGGCGCCATGAACTGGCAAGTCATGCACAACGTGACCACAGAGACCCAGTTCCTCCAGAAGCTCA  
TCAAGGAGGGCGTGGTGCAGGACCTCAGCGGGGCATCCACTGA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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<b>Restriction Sites:</b>	Sgfl-Mlul
<b>ACCN:</b>	NM_031337
<b>Insert Size:</b>	1164 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>	<a href="#">NM_031337.2</a> , <a href="#">NP_112627.2</a>
<b>RefSeq Size:</b>	2723 bp
<b>RefSeq ORF:</b>	1164 bp
<b>Locus ID:</b>	83505
<b>UniProt ID:</b>	<a href="#">Q68G12</a>
<b>Cytogenetics:</b>	4q31
<b>Gene Summary:</b>	mouse homolog is an alpha 2,3-sialyltransferase that has activity toward lactosylceramide (LacCer) and synthesizes GM3 [RGD, Feb 2006]