

Product datasheet for **MC209402**

St3gal5 (NM_011375) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: St3gal5 (NM_011375) Mouse Untagged Clone
Tag: Tag Free
Symbol: St3gal5
Synonyms: 3S-T; Siat9; [a]2
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC209402 representing NM_011375
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGCCAAGTGAGTTCACCTCTGCAAAGCTGAGAAGTGATTGCTCAAGGACCTCCCTGCAATGGTACACCC
 GAACCCAGCACAGATGAGAAGACCCAGCTTGTTAATAAAAGACATCTGCAAGTGCACGTTGGTTGCATT
 TGGAGTCTGGCTCCTGTACATCCTCATTGTTGAATTACACCGCTGAAGAATGTGACATGAAAAGAATGCAC
 TATGTGGACCCTGACCGATAAAGAGAGCTCAGAGCTATGCTCAGGAAGTCTGCAGAAGGAATGTCGGC
 CCAGGTACGCGAAGACGGCTATGGCTCTGTTATTTGAGGACAGGTACAGCATCAACTGGAGCCTTTTGT
 GCAGAAGTCCCCACGGCCAGTGAAGCTGAGCTCAAGTATGACCCGCCTTTTGGATTCCGGAAAGTCTCC
 AGTAAAGTCCAGAGCCTCTTGGATATGCTGCCGAACATGACTTTCCTGAACACTTGAGAGCCAAGGCCT
 GCAAGCGCTGTGTGGTTGTTGGGAACGGGGCATCCTGCACGGACTAGAGCTGGGTACAGCCCTCAACCA
 GTTCGATGTGGTAATAAGGTTGAACAGTGCAGTGGAGGTTACTCTGAACACGTTGGGAATAAACT
 ACTATAAGGATGACTTACCCAGAGGGTGCAGTGTGCGGACGTTGAATACTACGCCAATGATTTGTTCTG
 TACTGTTTTATTAAGAGTGTGATTTCAAGTGGCTTCAAGCAATGGTAAAAATGAAAGCCTGCCCTT
 TTGGGTTTCGCTCTTTTGGGAAGCAAGTGGCAGAAAAAGTCCCACTCCAGCCAAAGCACTTCAGGATT
 TTGAACCCAGTTATCATCAAAGAACTGCCTTCGACATCCTTCAGTACTCAGAGCCTCAGTCAAGATTCT
 GGGGCCATGATAAGAACATCCCCACGATCGGCGTCATTGCCGTTGTCTTGGCTACACATCTGTGTGATGA
 AGTCAGCCTGGCAGGCTTTGGCTACGACCTCAGTCAACCCAGGACCCCTCTGCCTACTTTGACAGTCAG
 TGCATGGGCGCCATGCACTGGCAGGTATGCACAATGTGACCACAGACCAAGTTCTCTCTGAAGCTCC
 TCAAGGAGGGCGTGGTGGAGGACCTCAGCGGGCATCCACTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul



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ACCN:	NM_011375
Insert Size:	1164 bp
OTI Disclaimer:	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).
Components:	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).
Reconstitution Method:	<ol style="list-style-type: none">1. Centrifuge at 5,000xg for 5min.2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.3. Close the tube and incubate for 10 minutes at room temperature.4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.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.
RefSeq:	<u>NM_011375.3</u> , <u>NP_035505.2</u>
RefSeq Size:	2453 bp
RefSeq ORF:	1164 bp
Locus ID:	20454
UniProt ID:	<u>O88829</u>
Cytogenetics:	6 C1
Gene Summary:	<p>Catalyzes the formation of ganglioside GM3 (alpha-N-acetylneuraminy-2,3-beta-D-galactosyl-1, 4-beta-D-glucosylceramide), which is a precursor for most of the complex ganglioside species.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (2) uses an alternate splice site in the 5' terminal exon and initiates translation at a downstream start codon, compared to variant 1. It encodes isoform b, which has a shorter N-terminus, compared to isoform a.</p>