

Product datasheet for **MC209401**

St3gal5 (NM_001035228) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	St3gal5 (NM_001035228) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	St3gal5
Synonyms:	3S-T; Siat9; [a]2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_001035228, the custom clone sequence may differ by one or more nucleotides

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ATGCACACAGAGCGGTGGGCGGCGCGGCGGAGGCCCCAGAAGCTGCGAAGCCAAGCAGCGGCACCTG
CCTGCCGAGCAATGCCAAGTGAGTTCACCTCTGCAAAGCTGAGAAGTGATTGCTCAAGGACCTCCCTGCA
ATGGTACACCCGAACCCAGCACAAAGATGAGAAGACCCAGCTTGTAATAAAAGACATCTGCAAGTGACG
TTGGTTGCATTTGGAGTCTGGCTCCTGTACATCCTCATTTTGAATTACACCGCTGAAGAATGTGACATGA
AAAGAATGCACTATGTGGACCTGACCGGATAAAGAGAGCTCAGAGCTATGCTCAGGAAGCTTGCAGAA
GGAATGCCGCGCCAGGTACGCGAAGACGGCTATGGCTCTGTTATTTGAGGACAGGTACAGCATCACTTG
GAGCCTTTTGTGAGAAGGTCCCACGGCCAGTGAAGCTGAGCTCAAGTATGACCCGCCTTTTGGATTCC
GGAAGTTCTCCAGTAAAGTCCAGAGCCTTTGGATATGCTGCCCGAACATGACTTTCCTGAACACTTGAG
AGCCAAGGCCTGCAAGCGCTGTGTGTTGTTGGGAACGGGGGCATCCTGCACGGACTAGAGCTGGGTCCAC
GCCCTCAACCAGTTTCGATGTGGTAATAAGGTTGAACAGTGCGCCAGTTGAGGGTACTCTGAACACGTTG
GGAATAAACTACTATAAGGATGACTTACCCAGAGGGTGCGCCACTGTCCGACGTTGAATACTACGCCAA
TGATTTGTTCTGTTACTGTTTTATTTAAGAGTGTGATTCAAGTGGCTTCAAGCAATGGTAAAAAATGAA
AGCCTGCCCTTTTGGGTTTCGCCTCTTTTGGAAAGCAAGTGGCAGAAAAAGTCCCACTCCAGCCAAAGC
ACTTCAGGATTTTGAACCCAGTTATCATCAAAGAACTGCCTTCGACATCCTTCAGTACTCAGAGCCTCA
GTCAAGATTCTGGGGCCATGATAAAGAACATCCCCACGATCGGCGTCATTGCGGTTGCTTTGGCTACACAT
CTGTGTGATGAAGTCAGCCTGGCAGGCTTTGGCTACGACCTCAGTCAACCCAGGACCCCTCTGCACTACT
TTGACAGTCAGTGCATGGGCGCCATGCACTGGCAGGTCATGCACAATGTGACCACAGAGACCAAGTTCCT
CCTGAAGCTCCTCAAGGAGGGCGTGGTGGAGGACCTCAGCGGCGGCATCCACTGA

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Restriction Sites:	Sgfl-MluI
ACCN:	NM_001035228



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Insert Size:	1245 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:	BC138557 , AAI38558
RefSeq Size:	1750 bp
RefSeq ORF:	1245 bp
Locus ID:	20454
UniProt ID:	O88829
Cytogenetics:	6 C1
Gene Summary:	<p>Catalyzes the formation of ganglioside GM3 (alpha-N-acetylneuraminyl-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 (1) encodes the longer isoform (a).</p>