

Product datasheet for **MC209400**

St3gal3 (NM_009176) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: St3gal3 (NM_009176) 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: >MC209400 representing NM_009176
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGGGACTCTTGGTATTTGTGCGCAATCTGCTGCTAGCCCTCTGCCTCTTCTGGTCTGGGATTTTTGT
ATTATTCTGCCTGGAAGCTACACTTACTCCAATGGGAAGACTCCAATTCATTGCTCTTTCCCTTGACTC
CGCTGGACAAACCCTAGGCACAGAGATGATAGGCTGGGCTTCCCTCTGAAGCTGGACTTAAACTGCCT
GCCGAGCTAGCCACCAAGTACGCAAACCTTTCCGAGGGAGCTTGCAAACCCGGCTACGCTTCAGCCATGA
TGACTGCCATCTCCCCAGGTTCTCCAAGCCAGCACCCATGTTCCCTGGATGACTCCTTTCGAAAGTGGGC
TAGGATCCGGGAGTTTGTGCCACCTTTGGGATCAAAGGTCAAGACAATCTGATCAAAGCCATCTTGTC
GTCACCAAAGAATACCGCTGACCCCTGCCTTGGACAGCCTCCACTGCCGCCGCTGCATCATTGTAGGCA
ATGGAGGGGTCTCGCCAACAAGTCTCTGGGGTACGGATTGACGACTATGACATTGTGATCAGACTGAA
CTCAGCACCTGTGAAGGGCTTTGAGAGGGACGTGGCAGCAAGACCACCTACGCATCACCTACCCTGAG
GGCCCATGCAGCGACCTGAGCAATATGAACGAGACTCTCTTTGTCTCGTGGCTTCAAGTGGCAGG
ACTTCAAGTGGCTGAAGTACATCGTCTACAAGGAGAGAGTGAGTGCATCTGATGGCTTCTGGAAGTCCGT
GGCCACCCGAGTGCCCAAGGAGCCCTGAGATCCGCATCCTCAACCCATACTTCATCCAGGAGGCTGCC
TCACTCTCATTGGACTGCCCTTCAACAACGGCCTCATGGGCAGAGGGAACATCCCAACCTTGGCAGTG
TGGCAGTGACCATGGCACTACACGGCTGTGATGAAGTGGCAGTCGCGGGCTTTGGCTATGACATGAACAC
ACCCAATGCACCCCTGCACTACTATGAACTGTGCGCATGGCAGCCATCAAAGAGTCTGGACACACAAC
ATCCAGCGAGAGAAAGAGTTTCTGCGGAAGCTAGTGAAGGCACGTGCATCACTGACTTAAGCAGCGGTA
TCTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI



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ACCN:	NM_009176
Insert Size:	1125 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_009176.5</u> , <u>NP_033202.3</u>
RefSeq Size:	2631 bp
RefSeq ORF:	1125 bp
Locus ID:	20441
UniProt ID:	<u>P97325</u>
Cytogenetics:	4 D1- D2.1
Gene Summary:	<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 (1) represents the longest transcript and encodes the longer isoform (a). Variants 1, 2 and 3 all encode isoform a.</p>