

Product datasheet for **MC217746**

St3gal3 (NM_001161774) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: St3gal3 (NM_001161774) 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: >MC217746 representing NM_001161774
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGGACTCTTGGTATTTGTGCGCAATCTGCTGCTAGCCCTCTGCCTCTTCTGGTCTGGGATTTTTGT
 ATTATTCTGCCTGGAAGCTACACTTACTCCAATGGGAAGACTCCAATTCATTGCTCTTTCCCTTGACTC
 CGCTGGACAAACCCTAGGCACAGAGATGATAGGCTGGGCTTCCCTCTGAAGCTGGACTTAAACTGCCT
 GCCGAGCTAGCCACCAAGTACGCAAACTTTCCGAGGGAGCTTGCAAACCCGGCTACGCTTCAGCCATGA
 TGACTGCCATCTTCCCCAGGTTCTCCAAGCCAGCACCCATGTTCCCTGGATGACTCCTTTCGAAAGTGGGC
 TAGGATCCGGGAGTTTGTGCCACCTTTGGGATCAAAGGTCAAGACAATCTGATCAAAGCCATCTTGTC
 GTCACCAAAGAATACCGCTGACCCCTGCCTTGGACAGCCTCCACTGCCGCCGCTGCATCATTGTAGGCA
 ATGGAGGGGTCTCGCCAACAAGTCTCTGGGGTACGGATTGACGACTATGACATTGTGATCAGACTGAA
 CTCAGCACCTGTGAAGGGCTTTGAGAGGGACGTGGGCAGCAAGACCACCTACGCATCACCTACCCTGAG
 GGCCCATGCAGCGACCTGAGCAATATGAACGAGACTCTCTTTGTCTCGCTGGCTTCAAGTGGCAGG
 ACTTCAAGTGGCTGAAGTACATCGTCTACAAGGAGAGAGTGAAGTGCATCTGATGGCTTCTGGAAGTCCGT
 GGCCACCCGAGTGCCCAAGGAGCCCTGAGATCCGCATCCTCAACCCATACTTCATCCAGGAGGCTGCC
 TCACTCTCATTGGACTGCCCTTCAACAACGGCCTCATGGGCAGAGGGAACATCCCAACCTTGGCAGTG
 TGGCAGTGACCATGGCACTACACGGCTGTGATGAAGTGGCAGTCGCGGGCTTTGGCTATGACATGAACAC
 ACCCAATGCACCCCTGCACTACTATGAACTGTGCGCATGGCAGCCATCAAAGAGTCTGGACACACAAC
 ATCCAGCGAGAGAAAGAGTTTCTGCGGAAGCTAGTGAAGGCACGTGCATCACTGACTTAAGCAGCGGTA
 TCTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI



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| | |
|-------------------------------|---|
| ACCN: | NM_001161774 |
| 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_001161774.2</u> , <u>NP_001155246.1</u> |
| RefSeq Size: | 2287 bp |
| RefSeq ORF: | 1125 bp |
| Locus ID: | 20441 |
| UniProt ID: | <u>P97325</u> |
| Cytogenetics: | 4 D1- D2.1 |
| Gene Summary: | 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] Transcript Variant: This variant (2) differs in the 5' UTR compared to variant 1. Variants 1, 2 and 3 all encode isoform a. |