

Product datasheet for **MC201731**

St6gal1 (NM_145933) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	St6gal1 (NM_145933) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	St6gal1
Synonyms:	AW742324; Si; Siat1; St6G; St6gal; St6Gal-I; St6gall
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)

Fully Sequenced ORF: >BC027833 sequence for NM_145933
 CCACGCGTCCGTTATGATTCATACCAACTTGAAGAGAAAAGTTCAGCTGCTTTGTCCTGGTCTTTCTCCTG
 TTTGCCATCATCTGCGTGTGGAAGAAAGGAGCGACTATGAGGCTTTACATTGCAAGCCAAAGTATTCC
 AGATGCCGAAGAGCCAGGAGAAAAGTGGCCGTGGGGCCTGCTCCCCAGGCTGTGTTCTCAAACAGCAAACA
 AGACCCTAAGGAAGCGTTCAGATCCTCAGTTACCCAGGGTCACAGCCAAGGTCAAGCCACAGCCCTCC
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 TCGTGTCTTCTGCAGGATCTCTGAAGAATCCCAGCTGGGTCGAGAGATTGATAATCATGATGCGGTCTCT
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AAAACCTCCCATCTGTCCCAACCTGATCAGAGTTGAGTAAAAGAGAGAGACACCAACAGGCAGCTAGA
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CTGTTAATTCTAAATTATCCAAAGATTATGTGCAAATTTTAAAATAAATATCTTTTTTCAGAAAAAAAAA AAAAAAA

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- Restriction Sites:** RsrII-NotI
- ACCN:** NM_145933
- Insert Size:** 1212 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:**
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:** [BC027833](#), [AAH27833](#)
- RefSeq Size:** 3718 bp

RefSeq ORF: 1212 bp

Locus ID: 20440

UniProt ID: [Q64685](#)

Cytogenetics: 16 14.03 cM

Gene Summary: This gene encodes a member of glycosyltransferase family 29. The encoded protein is a type II membrane protein that catalyzes the transfer of sialic acid from CMP-sialic acid to galactose-containing substrates. The protein, which is normally found in the Golgi but can be proteolytically processed to a soluble form, is involved in the generation of the cell-surface carbohydrate determinants and differentiation antigens HB-6, CD75, and CD76. This gene has been incorrectly referred to as CD75. Alternatively spliced transcript variants have been observed for this gene, and a pseudogene of this gene is located on chromosome 15. [provided by RefSeq, Nov 2011]
Transcript Variant: This variant (1) represents the longest transcript. Variants 1, 2 and 3 encode the same protein.