

Product datasheet for **RR200444**

St6gal1 (NM_001113344) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: St6gal1 (NM_001113344) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: St6gal1
Synonyms: Siat1
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR200444 representing NM_001113344
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGATTCATACCAACTTGAAGAAAAGTTCAGCCTCTTCATCCTGGTCTTTCTCCTGTTTCGAGTCATCT
GTGTTTGAAGAAAGGGAGCGACTATGAGGCCCTTACACTGCAAGCCAAGGAATCCAGATGCCAAGAG
CCAGGAGAAAGTGGCCATGGGGTCTGCTTCCCAGTTGTGTTCTCAAACAGCAAGCAAGACCCTAAGGAA
GACATTCGAATCCTCAGTTACCACAGGGTCACAGCCAAGGTCAAACCACAGCCTTCTTCCAGGTGTGGG
ACAAGGACTCCACATACTCAAACTTAACCCAGGCTGCTGAAGATCTGGAGAACTATCTGAACATGAA
CAAATATAAAGTATCCTACAAGGGACCGGGGCCAGGAGTCAAGTTCAGCGTAGAAGCACTGCGTTGCCAC
CTTCGAGACCATGTGAACGTGTCTATGATAGAGGCCACAGATTTCCCTTCAACACCACTGAGTGGGAGG
GTTACCTGCCAAGGAGAAGTCTTGAACCAAGTGGGCCTGGCAAAGGTGTGCCGTGCTCTCTCTGC
AGGATCTCTGAAAACTCCAGCTTGGTCGAGAGATTGATAATCATGATGCAGTTCTGAGGTTAATGGG
GCCCCACCGACAAGTCTCAACAGGATGTGGGCTCAAAACTACCATTGCCTAATGAATCTCAGTTAG
TCACCACAGAAAAGCGCTTCTCAAGGACAGTTGTACACCGAAGGAATCCTAATTGTATGGGACCCATC
CGTGTATCATGCAGATATCCCAAAGTGGTATCAGAAACCAAGCACTACAATTTCTTCGAAACCTATAAGAGT
TACCGAAGGCTGAACCCAGCCAGCCATTTTATATCCTCAAGCCAGATGCCATGGGAAGTGTGGGACA
TCATTCAGGAAATCTCTGCAGATCTGATTCAGCCAAATCCCCATCCTCCGGCATGCTGGGTATCATCAT
CATGATGACGCTGTGTGACCAGGTAGATATTTACGAGTTCCTCCATCCAAGCGCAAGACGGACGTGTGC
TATTATCACAAAAGTCTTTGACAGCGCTTGACAGATGGGTGCCTACCACCCGCTCTCTTCGAGAAGA
ATATGGTGAAGCATCTCAATGAGGGAACAGATGAAGACATTTATTTGTTGGGAAAGCCACCCTTCTGG
CTTCCGGAACATTCGTTGT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR200444 representing NM_001113344
Red=Cloning site Green=Tags(s)

MIHTNLKKKFSLFILVLLFAVICVWKKGSYDALTLQAKEFQMPKSQEKVAMGSASQVVFNSKQDPKE
 DIPILSYHRVTAKVKPQPSFQVWDKDYSLKLNPRLLKIWRNYLNMNKYKVSYPKPGVGFVVEALRCH
 LRDHVNVSMIEATDFPFNTTEWEGYLPKENFRTKVGPWQRCVAVSSAGSLKNSQLGREIDNHDAVLRFNQ
 APTDNFQQDVGSKTTIRLMNSQLVTTEKRFLKDSLYTEGILIVWDPVSVYHADIPKWKYQKPDYVFFETYKS
 YRRLNPSQPFYILKPMPWELWDIIQEISADLIQPNPPSSGMLGIIIMMTLCDQVDIYEFLLPSKRKTDVQ
 YHQKFFDSACTMGAYHPLLFEKNMVKHLNEGTDEDIYLF GKATLSGFRNIRC

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

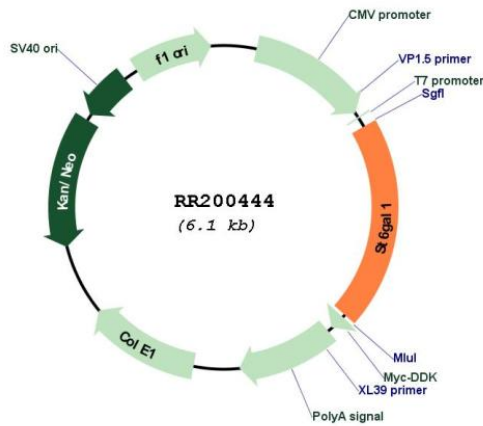
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001113344

ORF Size:	1209 bp
OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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:	NM_001113344.1 , NP_001106815.1
RefSeq Size:	3879 bp
RefSeq ORF:	1212 bp
Locus ID:	25197
UniProt ID:	P13721
Cytogenetics:	11q23
MW:	46.8 kDa
Gene Summary:	may be involved in cell-type specific terminal glycosylation [RGD, Feb 2006]