

Product datasheet for **MG206325**

St6gal1 (NM_145933) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	St6gal1 (NM_145933) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	St6gal1
Synonyms:	AW742324; Si; Siat1; St6G; St6gal; St6Gal-I; St6gall
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG206325 representing NM_145933 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGATTACACCAACTTGAAGAGAAAGTTCAGCTGCTTTGTCCTGGTCTTTCTCCTGTTTGCCATCATCT
GCGTGTGGAAGAAAGGGAGCGACTATGAGGCTCTTACATTGCAAGCCAAGGTATCCAGATGCCGAAGAG
CCAGGAGAAAGTGGCCGTGGGCGCTGCTCCCCAGGCTGTGTTCTCAAACAGCAAACAAGACCCTAAGGAA
GGCGTTCAGATCCTCAGTTACCCAGGGTCACAGCCAAGGTCAAGCCACAGCCCTCCTTGCAAGTGTGGG
ACAAGGACTCCACATACTCAAACCTTAACCCAGGCTGCTGAAGATCTGGAGGAATATCTGAACATGAA
TAAATATAAAGTGTCTACAAGGGCCGGGACCAGGAGTCAAGTTCAGCGTAGAGGCGCTGCGCTGCCAC
CTTCGAGACCACGTGAATGTGTCTATGATAGAGGCCACAGATTTCCCTCAACACCACTGAATGGGAGG
GTTACCTGCCAAGGAGAACTTCAGAACCAAGGCTGGGCTTGGCATAAGTGTGCCGTGCTGCTCTCTGC
AGGATCTCTGAAGAACTCCAGCTGGGTCGAGAGATTGATAATCATGATGCGGTCTGAGGTTAATGGG
GCACCTACAGACAACCTCCAACAGGATGTGGGCACAAAACCTACCATCCGCTAGTGAACCTCAGTTAG
TCACCACAGAAAAGCGCTTCTGAAGGACAGTTGTACACCGAAGGAATCCTGATTCTGTGGGACCCATC
TGTGTATCATGCAGACATTCGCAGTGGTATCAGAAGCCAGACTACAACCTCTTCGAAACCTATAAGAGT
TACCGAAGGCTTACCCAGCCAGCCTTTTACATCCTCAAGCCAGATGCCATGGGAACCTATGGGACA
TCATTCAGGAAATCTCTCAGATCTGATTCAGCCGAATCCCCATCCTCCGGCATGCTGGGTATCATCAT
TATGATGACGCTGTGTGACCAAGTTGATATTTACGAGTTCCTCCATCCAAGCGCAAGACAGATGTGTGC
TACTATACCAGAAGTCTTTGACAGCGCTGCAGATGGGTGCCTACCATCCGCTCCTCTCGAGAAGA
ATATGGTGAAGCATCTCAATGAGGGAACAGATGAAGACATTTATTTGTTGGGAAAGCTACCCTGTCTGG
CTTCCGGAACAATCGCTGT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



[View online »](#)

Protein Sequence: >MG206325 representing NM_145933
 Red=Cloning site Green=Tags(s)

MIHTNLKRFKSCFVLVFLFAIICVWKKGSDYEALTLQAKVFQMPKSQEKVAVGPAPQAVFSNSKQDPKE
 GVQILSYPRVTAKVKPQPSLQVWDKDYSTYKLNPRLLKIWRNYLNMNKYKVSYKGGPGVKFSVEALRCH
 LRDHVNYSMIEATDFPFNTTEWEGYLPKENFRTKAGPWHKCAVVSSAGSLKNSQLGREIDNHDAVLRFN
 APTDNFQQDVGTKTTIRLVNSQLVTTEKRFKDSLYTEGILILWDPVSYHADIPQWYQKPDYFFETYKS
 YRRLHPSQPFYILKQMPWELWDIIQEISPDLIQPNPPSSGMLGIIIMMTLCDQVDIYEFLLPSKRKTDVC
 YYHQKFFDSACTMGAYHPLLFEKNMVKHLNEGTDEDIYLF GKATLSGFRNNRC

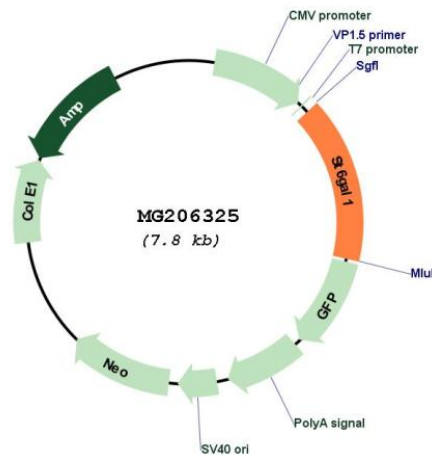
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_145933

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_145933.4
RefSeq Size:	4529 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]