

Product datasheet for **RG200218**

ST6GALNAC6 (NM_013443) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ST6GALNAC6 (NM_013443) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	ST6GALNAC6
Synonyms:	SIAT7-F; SIAT7F; ST6GALNACVI
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG200218 representing NM_013443 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCTTGCTCGAGGCCCGCCAGCCAGTGTGAACCCACATCCCTGCCCGCCAGGGCCACCTGCAGGACGCC
GACACCTACCCCTCAGCAGACGCCGGAGAGAAATGAGTAGCAACAAGAGCAGCGGTGAGCAGTGTTCGT
GATCCTCTTTGCCCTCATCACCATCCTCATCCTCTACAGCTCCAACAGTGCCAATGAGGTCTTCCATTAC
GGCTCCCTGCGGGCCGTAGCCGCCGACCTGTCAACCTCAAGAAGTGGAGCATCACTGACGGCTATGTCC
CCATTCTCGGCAACAAGACTGCCCTCTCGGTGCCACCAAGTGTGTGATTGTCAGCAGCTCCAGCCACCT
GCTGGGCACCAAGCTGGGCCCTGAGATCGAGCGGGCTGAGTGTACAATCCGCATGAATGATGCACCCACC
ACTGGCTACTCAGCTGATGTGGCAACAAGACCACCTACCGCGTCGTGGCCCATCCAGTGTGTTCCGCG
TGCTGAGGAGGCCCGAGGAGTTTGTCAACCGGACCCCTGAAACCGTGTTCATCTTCTGGGGGCCCGAG
CAAGATGCAGAAGCCCCAGGGCAGCCTCGTGCCTGTGATCCAGCGAGCGGGCCTGGTGTCCCAACATG
GAAGCATATGCCGTCTCTCCCGCCGATGCGGCAATTTGACGACCTCTTCCGGGTGAGACGGGCAAGG
ACAGGGAGAAGTCTCATTCTGTTGAGCACAGGCTGGTTTACCATGGTATCGCGGTGGAGTTGTGTGA
CCACGTGCATGTCTATGGCATGGTCCCCCACTACTGCAGCCAGCGGCCCGCCCTCCAGCGCATGCC
TACCCTACTACGAGCCCAAGGGCCGGACGAATGTGTACCTACATCCAGAATGAGCACAGTCGCAAGG
GCAACCACCAGCTTTCATCACCAGAAAAGGGTCTTCTCATCGTGGGCCAGCTGTATGGCATCACCTT
CTCCACCCCTCCTGGACC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG200218 representing NM_013443
 Red=Cloning site Green=Tags(s)

MACSRPPSQCEPTSLPPGPPAGRRHLPLSRRRREMSSNKEQRSVAVFVILFALITILILYSSNSANEVPHY
 GSLRGRSRRPVNLKKWSITDGYVPILGNKTLPSRCHQCIVSSSSHLLGTLGPEIERAECTIRMNDAPT
 TGYSDVGNKTTYRVVAHSSVFRVLRPPQEFVNRTPETVFIWGPSSKMQKPKQGS�VRVIQRAGLVFPNM
 EAYAVSPGRMRQFDDLFRGETGKDREKSHSWLSTGWFTMVI AVELCDHVHVYGMVPPNYCSQRPLQRMP
 YHYEYKGPDECVTYIQNEHSRKGNNHHRFITEKRVFSSWAQLYGITFSHPSWT

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_013443

ORF Size: 999 bp

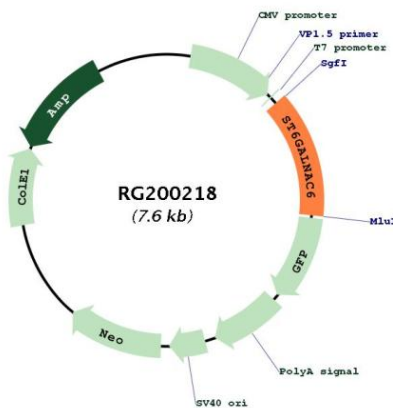
OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially 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_013443.5
RefSeq Size:	2416 bp
RefSeq ORF:	1002 bp
Locus ID:	30815
UniProt ID:	Q969X2
Cytogenetics:	9q34.11
Domains:	Glyco_transf_29
Protein Families:	Transmembrane
Protein Pathways:	Glycosphingolipid biosynthesis - ganglio series, Metabolic pathways
Gene Summary:	ST6GALNAC6 belongs to a family of sialyltransferases that modify proteins and ceramides on the cell surface to alter cell-cell or cell-extracellular matrix interactions (Tsuchida et al., 2003 [PubMed 12668675]).[supplied by OMIM, Mar 2008]

Product images:



Circular map for RG200218