

Product datasheet for **RG200989**

ST6GALNAC5 (NM_030965) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ST6GALNAC5 (NM_030965) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	ST6GALNAC5
Synonyms:	SIAT7-E; SIAT7E; ST6GalNAcV
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG200989 representing NM_030965 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAAGACCCGTGATGCGCCATGGTCTGGCAGTGTGTTTAGCGCTCACCACCATGTGCACCAGCTTGTTC
TAGTGTACAGCAGCCTCGGCGGCCAGAAGGAGCGGCCCGCAGCAGCAGCAGCAGCAGCAACAGCA
GCAGCAGGCGTCGGCCACCGGCAGCTCGCAGCCGGCGGGAGAGCAGCAGCAGCAGCAGCAGCAACAGCA
CCCGCGGGACCGCGCCACTGGACGGATACCTCGGAGTGGCGGACCACAAGCCCTGAAAATGCACTGCA
GGGACTGTGCCCTGGTGACCAGCTCAGGGCATCTGCTGCACAGTCGGCAAGGCTCCAGATTGACCAGAC
AGAGTGTGTATCCGCATGAATGACGCCCCACACGCGGCTATGGGCGTGACGTGGGCAATCGCACCAGC
CTGAGGGTTCATCGGCATTCCAGCATCCAGAGGATCCTCCGCAACCGCCATGACCTGCTCAACGTGAGCC
AGGGCACCGTGTTCATCTTCTGGGGCCCGCAGCAGCTACATGCGGCGGGACGGCAAGGGCCAGGTCTACAA
CAACCTGCATCTCCTGAGCCAGGTGCTGCCCGGCTGAAGGCCTTCATGATTACTCGCCACAAGATGCTG
CAGTTTGTGAGCTCTTCAAGCAGGAGACTGGCAAAGACAGGAAGATATCCAACACTTGGCTCAGCACTG
GCTGGTTTACAATGACAATTGCACTGGAGCTCTGTGACAGGATCAATGTTTATGGCATGGTGCCCCAGA
CTTCTGCAGGGATCCCAATCACCTTCAGTACCTTATCATTATTGAACCTTTTGGACCTGATGAATGT
ACAATGTACCTCTCCATGAGCGAGGACGCAAGGCGAGTCATCACCCTTTATCACAGAGAAACGAGTCT
TTAAGAAGTGGCACGGACATTCAATATTCACTTTTTTCAACCAGACTGGAACCCAGAATCACTTGCTAT
AAATCATCCTGAGAATAAACCTGTGTTTC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG200989 representing NM_030965
Red=Cloning site Green=Tags(s)

MKTLMRHGLAVCLALTTMCTSLLLVYSSLGGQKERPPQQQQQQQQQQASATGSSQPAAESSTQQRPGV
 PAGPRPLDGYLGVADHKPLKMHCRDCALVTSSGHLLHSRQGSQIDQTECVIRMNDAPTRGYGRDVGNRST
 LRVIAHSSIQRILRNHDLLNVSQGTVFIFWGPSSYMRRDGKGGQVYNNLHLLSQVLPRLKAFMITRHKML
 QFDELFKQETGKDRKISNTWLSTGWFTMTIALELCDRINVYGMVPPDFCRDPNHPSVPYHYEPEFGPDEC
 TMYLSHERGRKGSHRFITEKRVFKNWARTFNIHFFQPDWKPESLAINHPENKPVF

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_030965

ORF Size: 1008 bp

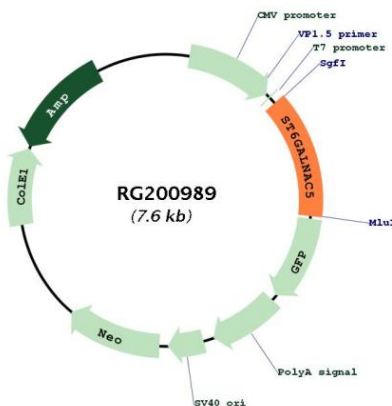
OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially 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_030965.3
RefSeq Size:	2048 bp
RefSeq ORF:	1011 bp
Locus ID:	81849
UniProt ID:	Q9BVH7
Cytogenetics:	1p31.1
Domains:	Glyco_transf_29
Protein Families:	Transmembrane
Protein Pathways:	Glycosphingolipid biosynthesis - ganglio series, Metabolic pathways
Gene Summary:	The protein encoded by this gene is a Golgi type II transmembrane glycosyltransferase. The encoded protein catalyzes the transfer of sialic acid to cell surface proteins to modulate cell-cell interactions. Several transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Feb 2016]

Product images:



Circular map for RG200989