

Product datasheet for **SC335191**

ST6GALNAC6 (NM_001287002) Human Untagged Clone

Product data:

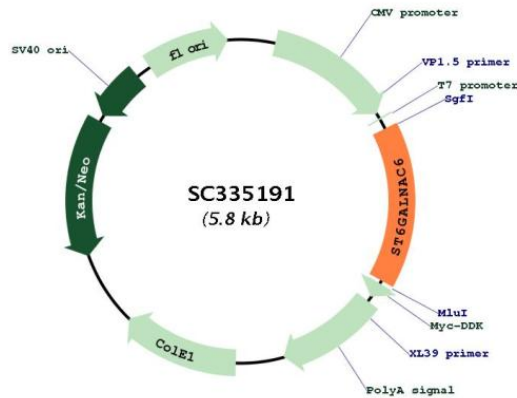
Product Type:	Expression Plasmids
Product Name:	ST6GALNAC6 (NM_001287002) Human Untagged Clone
Tag:	Tag Free
Symbol:	ST6GALNAC6
Synonyms:	SIAT7-F; SIAT7F; ST6GALNACVI
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC335191 representing NM_001287002. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTGTAGTGAACCGTCAGAATTTGTAAACGACTACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGAGTAGCAACAAGAGCAGCGGTGAGCAGTGTTCGTGATCCTCTTTGCCCTCATCACCATCCTCATC
CTCTACAGCTCCAACAGTGCCAATGAGGTCTTCCATTACGGCTCCCTGCGGGGCGTAGCCGCCGACCT
GTCAACCTCAAGAAGTGGAGCATCACTGACGGCTATGTCCCATCTCGGCAACAAGACTGCCCTCT
CGGTGCCACCAGTGTGTGATTGTCAGCAGCTCCAGCCACCTGCTGGGCACCAAGCTGGGCCCTGAGATC
GAGCGGGCTGAGTGTACAATCCGCATGAATGATGCACCCACCCTGGCTACTCAGCTGATGTGGCAAC
AAGACCACCTACCGCGTCTGGCCATTCCAGTGTGTTCCGCGTCTGAGGAGGCCCCAGGAGTTTGTG
AACCGGACCCCTGAAACCGTGTTCATCTTCTGGGGCCCCGAGCAAGATGCAGAAGCCCAAGGCGAGC
CTCGTGCCTGTGATCCAGCGAGCGGGCCTGGTGTCCCAACATGGAAGCATATGCCGTCTCTCCGGC
CGCATGCGGCAATTTGACGACCTCTTCCGGGTGAGACGGCAAGGACAGGGAGAAGTCTCATTCTGG
TTGAGCACAGGCTGGTTTACCATGGTGTGTCGGGTGGAGTTGTGTGACCACGTGCATGTCTATGGCATG
GTCCCCCAACTACTGCAGCCAGCGGCCCGCCTCCAGCGCATGCCCTACCACTACTACGACCCCAAG
GGGCCGGACGAATGTGTACCTACATCCAGAATGAGCACAGTTCGAAGGGCAACCACCACCGCTTCATC
ACCGAGAAAAGGGTCTTCTCATCGTGGGCCAGCTGTATGGCATCACCTTCTCCACCCCTCTGGACC
TAG
ACGCGTACGCGGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites: SgfI-MluI



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Plasmid Map:


ACCN: NM_001287002

Insert Size: 900 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: [NM_001287002.1](#)

RefSeq Size: 2415 bp

RefSeq ORF: 900 bp

Locus ID: 30815

UniProt ID: [Q969X2](#)

Cytogenetics: 9q34.11

Protein Families:	Transmembrane
Protein Pathways:	Glycosphingolipid biosynthesis - ganglio series, Metabolic pathways
MW:	34.3 kDa
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (3) differs in the 5' UTR, lacks a portion of the 5' coding region, and initiates translation from a downstream in-frame start codon, compared to variant 1. The encoded isoform (c) is shorter at the N-terminus, compared to isoform a. Variants 3, 4 and 5 all encode isoform c.</p>