

Product datasheet for **SC333426**

ST6GALNAC6 (NM_001287003) Human Untagged Clone

Product data:

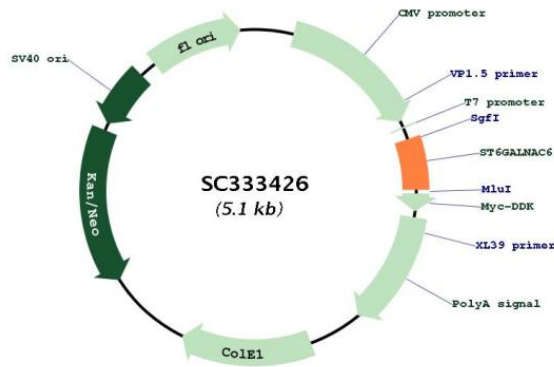
Product Type:	Expression Plasmids
Product Name:	ST6GALNAC6 (NM_001287003) Human Untagged Clone
Tag:	Tag Free
Symbol:	ST6GALNAC6
Synonyms:	SIAT7-F; SIAT7F; ST6GALNACVI
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC333426 representing NM_001287003. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGATCGCC
ATGAGTAGCAACAAGAGCAGCGGTCAGCAGTGTTCTGTGATCCTCTTGGCCCTCATCACCATCCTCATC
CTCTACAGCTCCAACAGTGCCAATGAGGTCTTCCATTACGGCTCCCTGCGGGCCGTAGCCGCCGACCT
GTCAACCTCAAGAAGTGGAGCATCACTGACGGCTATGTCCCCATTCTCGGCAACAAGGGAGAAGTCTCA
TTCGTGGTTGAGCACAGGCTGGTTTACCATGGTGATCGCGGTGGAGTTGTGTGA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites: Sgfl-Mlul



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Plasmid Map:


ACCN: NM_001287003

Insert Size: 261 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:	<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_001287003.1
RefSeq Size:	2037 bp
RefSeq ORF:	261 bp
Locus ID:	30815
UniProt ID:	Q969X2
Cytogenetics:	9q34.11
Protein Families:	Transmembrane
Protein Pathways:	Glycosphingolipid biosynthesis - ganglio series, Metabolic pathways
MW:	9.7 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 (6) differs in the 5' UTR, lacks a portion of the 5' coding region, initiates translation from a downstream in-frame start codon, and lacks an exon that results in a frameshift in the 3' coding region, compared to variant 1. The encoded isoform (d) has a distinct C-terminus and is shorter than isoform a.</p>