

Product datasheet for SC335713

ST6GALNAC6 (NM_001286999) Human Untagged Clone

Product data:

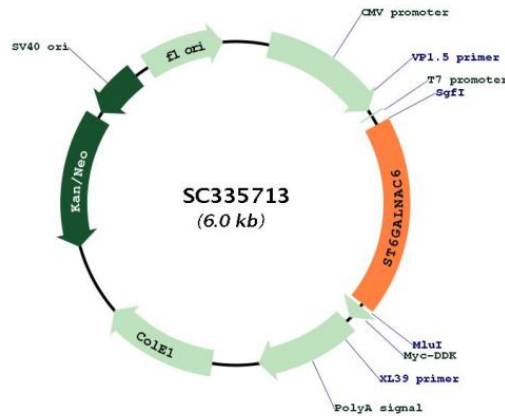
Product Type:	Expression Plasmids
Product Name:	ST6GALNAC6 (NM_001286999) Human Untagged Clone
Tag:	Tag Free
Symbol:	ST6GALNAC6
Synonyms:	SIAT7-F; SIAT7F; ST6GALNACVI
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC335713 representing NM_001286999. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTGTAAACGACTACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGCTTGCTCGAGGCCCGCCAGCCAGTGTGAACCCACATCCCTGCCCGCCAGGGCCACCTGCAGGACGC
CGACACCTACCCCTCAGCAGACGCCGGAGAGAAATGAGTAGCAACAAAGAGCAGCGGTCCAGCAGTGTTC
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TACGGCTCCCTGCGGGCCGTAGCCGCCGACCTGTCAACCTCAAGAAGTGGAGCATCACTGACGGCTAT
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CACCTGCTGGGCACCAAGCTGGGCCCTGAGATCGAGCGGGCTGAGTGTACAATCCGCATGAATGATGCA
CCACCACTGGCTACTCAGCTGATGTGGCAACAAGACCCTACCGCGTCGTGGCCATTCCAGTGTG
TTCCGCGTGCTGAGGAGGCCCGAGGAGTTGTCAACCGGACCCCTGAAACCGTGTTTCATCTTCTGGGGG
CCCCGAGCAAGATGCAGAAGCCCCAGGGCAGCCTCGTGCGTGTGATCCAGCGAGCGGGCCCTGGTGTTC
CCCAACATGGAAGCATATGCCGTCTCTCCCGGCCGATGCGGCAATTTGACGACCTCTTCCGGGGTGAG
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GAGTTGTGTGACCACGTGCATGTCTATGGCATGGTCCCCCACTACTGCAGCGGCCCGCCCTCCAGC
GCATGCCCTACCACTACTACGAGCCCAAGGGCCGGACGAATGTGTCACCTACATCCAGAATGAGCACA
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GAAGCAGCCTCCGCCAGCCGCTAGGCCAGGGACCATCTTCTGGCCAATCAAGGCTTGCTGGAGTGTCT
CCCAGCCAATCAGGGCCTTGA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites: SgfI-MluI



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Plasmid Map:


ACCN: NM_001286999

Insert Size: 1125 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_001286999.1](#)

RefSeq Size: 2470 bp

RefSeq ORF: 1125 bp

Locus ID: 30815

UniProt ID: [Q969X2](#)

Cytogenetics: 9q34.11

Protein Families: Transmembrane

Protein Pathways: Glycosphingolipid biosynthesis - ganglio series, Metabolic pathways

MW: 40.8 kDa

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]
Transcript Variant: This variant (2) uses an alternate splice site that results in a frameshift in the 3' coding region, compared to variant 1. The encoded isoform (b) has a distinct C-terminus and is longer than isoform a.