

Product datasheet for **SC115215**

ST6GALNAC6 (NM_013443) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ST6GALNAC6 (NM_013443) Human Untagged Clone
Tag:	Tag Free
Symbol:	ST6GALNAC6
Synonyms:	SIAT7-F; SIAT7F; ST6GALNACVI
Vector:	<u>pCMV6-XL6</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Cell Selection:	None
Fully Sequenced ORF:	>NCBI ORF sequence for NM_013443, the custom clone sequence may differ by one or more nucleotides

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ATGGCTTGCTCGAGGCCCGCCAGCCAGTGTGAACCCACATCCCTGCCCCAGGGCCACCTGCAGGACGCC
GACACCTACCCCTCAGCAGACGCCGGAGAGAAATGAGTAGCAACAAGAGCAGCGGTGAGCAGTGTTCGT
GATCCTCTTTGCCCTCATCACCATCCTCATCCTCTACAGCTCCAACAGTGCCAATGAGGTCTTCCATTAC
GGCTCCCTGCGGGCCGTAGCCGCCGACCTGTCAACCTCAAGAAGTGGAGCATCACTGACGGCTATGTCC
CCATTCTCGGCAACAAGACTGCCCTCTCGGTGCCACCAGTGTGTGATTGTCAGCAGCTCCAGCCACCT
GCTGGGCACCAAGCTGGGCCCTGAGATCGAGCGGGCTGAGTGTACAATCCGCATGAATGATGCACCCACC
ACTGGCTACTCAGCTGATGTGGCAACAAGACCACCTACCGCGTCTGGGCCATTCCAGTGTGTTCCGCG
TGCTGAGGAGGCCAGGAGTTTGTCAACCGGACCCCTGAAACCGTGTTCATCTTCTGGGGGCCCGAG
CAAGATGCAGAAGCCCCAGGGCAGCCTCGTGCCTGTGATCCAGCGAGCGGGCCTGGTGTCCCAACATG
GAAGCATATGCCGTCTCTCCGGCCGATGCGGCAATTTGACGACCTCTCCGGGGTGGAGCGGGCAAGG
ACAGGGAGAAGTCTCATTCTGTTGAGCACAGGCTGGTTTACCATGGTATCGCGGTGGAGTTGTGTGA
CCAGTGCATGTCTATGGCATGGTCCCCCAACTACTGCAGCCAGCGGGCCCGCTCCAGCGCATGCC
TACCACTACTACGAGCCCAAGGGCCGGACGAATGTGTACCTACATCCAGAATGAGCACAGTCGCAAGG
GCAACCACCACCGCTTCATCACCAGAAAAGGGTCTTCTCATCGTGGGCCAGCTGTATGGCATCACCT
CTCCACCCCTCTGGACCTAG
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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_013443 unedited
 TTTACCCCGCCCGTTGNCGCAAAGGGCGGTAGGCGTGTACGGTGGGAGGTCTATATAA
 GCAGAGCTCATTTAGGTGACACTATAGAATACAAGCTACTTGTTCTTTTTGCAGCGGCCG
 CGAATTCGGCACGAGGGCGGACCCCGCGCTCGGCTCCCGGCCCATGTGAGGGGGCTCG
 GGGGCCGCGGGGGCCGGGCGCTCCCGCCGGAGATGAGGAACTGAGGCTCAGAGAGGT
 CACATGGCTTGTCTGAGGCCCCAGCCAGTGTGAACCCACATCCCTGCCCCAGGGCCA
 CCTGCAGGACCGCACACTACCCCTCAGCAGACGCGGAGAGAAATGAGTAGCAACAAA
 GAGCAGCGGTGAGCAGTGTTCGTGATCCTCTTTGCCCTCATACCATCCTCATCCTCTAC
 AGCTCCAACAGTGCCAATGAGGTCTTCCATTACGGCTCCCTGCGGGCCGTAGCCGCCGA
 CCTGTCAACCTCAAGAAGTGGAGCATCACTGACGGCTATGTCCCATCTCGGCAACAAG
 ACACTGCCCTCTCGGTGCCACCACTGTGTGATTGTGAGCAGCTCCAGCCACCTGTGGGC
 ACCAAGCTGGGCCCTGAGATCGAGCGGGCTGAGTGTACAATCCGCATGAATGATGCACCC
 ACCACTGGCTACTCAGCTGATGTGGCAACAAGACCACCTACCGCGTCGTGGCCATTCC
 AGTGTGTTCCGCTGCTGAGGAGGCCCCAGGAGTTTGTCAACCAGACCCCTGANACCGTG
 TTCATCTTCTGGNGGCCCCGAGCAGATGCAGAAGCCCCAGGCAGCCTCGTGCGTGTGAT
 CCAGCGAGCGGGCCTGGTGTTCCTCCACATGGAAGCATATGCCGTCTCTCCCGNCCGCA
 TCGCGCATTTGACGACCTTCCGGGTGAGACGGNCAAGACGGGAG

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_013443 unedited
 AGTTAAAACCTTTTTTTTTCCGGAACGTATTTTTGTTTATTCCTGTACAATCATTACA
 AAACCAAGTCTGGGGCAGTACCAGCCCAACCATCACCCAGTGTGCAATGGCTAGCTG
 CTGGCCTCCTCCATCTGGTCCCTCCAGCCTCACAGCCTCCTCTGAAGCCCTTTCCTTCC
 ATGCTCCAGAAGAGCAGGAGACAAACACACCCCACTGAGGCCAGCTTTAATAAAGTGCC
 TGATACAGAGCCAGGGGACAGAACCAGGTGATACAGCTCCGACAGCCATCCAGGACG
 ACAGAGGGTCGAGGGAGACCCTCGGAAGCCCCAGTGACTCCAGACAAAGGGGACGCCCC
 AAAGGCGCTCCAACAGTTGGAAAACCTCCCTGCTAGAGGGCAGAAAAGGAGGCCTGGCC
 CTTAAGAGCCAAGCTAATGGCAGCTGGCTGAGGGGCTAAGAAAACAGCTTAAGGTTTTG
 TCCCGTTTCCTTCAAGTCCCCAACCCCTGAAGGAGTTTGCACAAAATACCCTAAAGTT
 TTCCAGGAGGTGGGGAGGTACCCCAAGAGCTGAGCCTTCCAGCAAGGGA
 TAGTGGCTGGGAGGGTCCAGACGGGGAGGACAGACCCGAGGGCACTTGTAGGGGAGGTG
 AAAGGGTCTCANACTTCGCACTGGAACCTGGTGTGGGCAGAAATGGTGCCANAGAGGGG
 AAAGGTTTGTCCAAAGTCTCATGGCAGAGCCAATACCTGGATGCCAGCCTCCACCTTTG
 GGGACTTCCCAACGGCCCCAAAACCTTCAAACCCACAATTCTTGGCCGGGCCCTCAA
 AC

Restriction Sites:

NotI-NotI

ACCN:

NM_013443

Insert Size:

2650 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_013443.3 , NP_038471.2
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] Transcript Variant: This variant (1) represents the longest transcript and encodes isoform a.