

Product datasheet for **SC319428**

ST6GALNAC5 (NM_030965) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ST6GALNAC5 (NM_030965) Human Untagged Clone
Tag:	Tag Free
Symbol:	ST6GALNAC5
Synonyms:	SIAT7-E; SIAT7E; ST6GalNAcV
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_030965.1
 CTCTGCAACAGCCGCGCTTCCCAGGGTCCCAGCGGCTCCCAGCGCGGATCTGCCGCGGCCGG
 CTGCTGGGCAAAAATCAGAGCCGCTCCGCCCATACCCATCATGGAACCCCTCCAGGA
 AAAAGTGGCCCCGGACGCGCGAGCCTGAGGATTCTGCACAAAAGAGGTGCCAAAATGAA
 GACCCTGATGCGCCATGGTCTGGCAGTGTGTTAGCGCTACCACCATGTGCACCAGCTT
 GTTGCTAGTGTACAGCAGCCTCGGCGGCCAGAAGGAGCGGCCCGCCGAGCAGCAGCAGCA
 GCAGCAGCAACAGCAGCAGCAGCAGGCGTCCGCCACCGCAGCTCGCAGCCGCGCGGAGAG
 CAGCACCCAGCAGCGCCCGGGTCCCAGCGGGACCGCGGCCACTGGACGGATACCTCGG
 AGTGGCGGACCACAAGCCCTGAAAATGCACTGCAGGGACTGTGCCCTGGTGACCAGCTC
 AGGGCATCTGCTGCACAGTCCGCAAGGCTCCCAGATTGACCAGACAGAGTGTGTCATCCG
 CATGAATGACGCCCCACACGCGGCTATGGGCGTGACGTGGGCAATCGCACCAGCCTGAG
 GGTTCATCGCGCATTCCAGCATCCAGAGGATCCTCCGCAACCGCCATGACCTGCTCAACGT
 GAGCCAGGGCACCGTGTTCATCTTCTGGGGCCCCAGCAGTACATGCGGCGGGACGGCAA
 GGGCCAGGTCTACAACAACCTGCATCTCCTGAGCCAGGTGCTGCCCGGGTGAAGGCCTT
 CATGATTACTCGCCACAAGATGTGCAGTTTGATGAGCTTTCAAGCAGGAGACTGGCAA
 AGACAGGAAGATATCCAACACTTGGCTCAGCACTGGCTGGTTTACAATGACAATTGCACT
 GGAGCTCTGTGACAGGATCAATGTTTATGGCATGGTGCCCCAGACTTCTGCAGGGATCC
 CAATCACCTTACGTACCTTATCATTATTATGAACCTTTTGGACCTGATGAATGTACAAT
 GTACCTCTCCCATGAGCGAGGACGCAAGGGCAGTCATCACCGCTTATCACAGAGAAACG
 AGTCTTTAAGAACTGGGCACGGACATTCATATCACTTTTTTCAACCAGACTGGAAACC
 AGAATCACTTGTATAAATCATCCTGAGAATAAACCTGTGTTCTAAGGAATGAGCATGCC
 AGACTGTAATCCCAGGTATTCATCTGCATCAGACACCGAGACTGAACTTCTGAGCCAC
 CAGACAGGAAAGGGTAGCAGAAAACAGCTTCACTCCTCAGGAAGTACCATGGACAGACGC
 CTACCAGGGTGACAAAGCAGTGCAGTTGGATTGTAAGGAAAAATTCGGAAATTAATGCA
 TCTAATGAATGTTGTCCCTTCAATGGTGTACCTTAGGAGCTGAACATTCAATTCACT
 TACACCACTATGACTAAAAACAGTTTGGATCTCTTAGTATTGCCTTTGAAACTGCAACAT
 AAGCAACTCAACAATATTAGTTGCATTCTTTATAGACATACCATGTCAAAGACGTTTTT
 CTATCAAGTTGTATTCTTCTGTTCTATAACCTTTGTCATCTGTAGACTCTGTATGTG
 TGATTTGTAAGCAAGCAGGCTGAAACTATGGACATGATTTCTGAAGACACATCTCCACTG
 ACTTTTCATAAAGCAAATGTCCAATATTTATTTAGAGAGTTTTTGTAGTCAATCTGGGC
 CAGTATTTTTATAGATTATGATTATGTGGTAATTTATCCTTCACTTTAATCTGTA
 ATGATGGTTGAAATGGCTAGAAATTAGTTACTCTGTTCAAAATGCTCATTGTTAGCAT
 GCAATTTGATTTGACTTGGAAAGTGTGTTGTTGTTTTTGAACCCCTAGGCTTCAGGA
 AAAGTCTCTTTTGTAAAAAGAATAGCGATGACATTTTCTAATGTGCAGAAATGTTCCAA
 AAGGACAAAATTGAAAACCAAAAATACTGTTATTTAAAACAAAAAATGCTAAAAA
 AAAAAA

Restriction Sites: Please inquire

ACCN: NM_030965

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).

OTI Annotation: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

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_030965.1](#), [NP_112227.1](#)

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]

Transcript Variant: This variant (1) represents the longest transcript and encodes the longest isoform (1). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.