

Product datasheet for **SC312986**

ST3GAL4 (NM_006278) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ST3GAL4 (NM_006278) Human Untagged Clone
Tag:	Tag Free
Symbol:	ST3GAL4
Synonyms:	CGS23; gal-NAc6S; NANTA3; SAT3; SIAT4; SIAT4C; ST-4; ST3GalA.2; ST3GalIV; STZ
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_006278, the custom clone sequence may differ by one or more nucleotides

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ATGGTCAGCAAGTCCCGCTGGAAGCTCCTGGCCATGTTGGCTCTGGTCCTGGTCGTCATGGTGTGGTATT  
CCATCTCCCGGGAAGACAGTTTTTATTTTCCCATCCCAGAGAAGAAGGAGCCGTGCCTCCAGGGTGAGGC  
AGAGAGCAAGGCCTCTAAGCTCTTTGGCAACTACTCCCGGATCAGCCCATCTTCTCGCGCTTGAGGAT  
TATTTCTGGGTCAAGACGCCATCTGCTTACGAGCTGCCCTATGGGACCAAGGGGAGTGAGGATCTGCTCC  
TCCGGGTGCTAGCCATCACCAGCTCCTCCATCCCCAAGAACATCCAGAGCCTCAGGTGCCGCGCTGTGT  
GGTCGTGGGGAACGGGCACCGGCTGCGGAACAGCTCACTGGGAGATGCCATCAACAAGTACGATGTGGTC  
ATCAGATTGAACAATGCCCCAGTGGCTGGCTATGAGGGTGACGTGGGCTCCAAGACCACCATGCGTCTCT  
TCTACCCTGAATCTGCCCACTTCGACCCCAAAGTAGAAAACAACCCAGACACACTCCTCGTCTGGTAGC  
TTTCAAGGCAATGGACTTCCACTGGATTGAGACCATCCTGAGTGATAAGAAGCGGGTGCGAAAGGGTTTC  
TGGAAACAGCCTCCCCTCATCTGGGATGTCAATCCTAACAGATTTCGATTCTCAACCCCTTCTTCATGG  
AGATTGCAGCTGACAAACTGCTGAGCCTGCCAATGCAACAGCCACGGAAGATTAAGCAGAAGCCACCAC  
GGGCTGTTGGCCATCACGCTGGCCCTCCACCTCTGTGACTTGGTGCACATTGCCGGCTTTGGCTACCCA  
GACGCCTACAACAAGAAGCAGACCATTCACTACTATGAGCAGATCACGCTCAAGTCCATGGCGGGTTCAG  
GCCATAATGTCTCCCAAGAGGCCCTGGCCATTAAGCGGATGCTGGAGATGGGAGCTATCAAGAACCTCAC  
GTCCTTCTGA
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Restriction Sites:	Please inquire
ACCN:	NM_006278



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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:	<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_006278.1 , NP_006269.1
RefSeq Size:	1766 bp
RefSeq ORF:	990 bp
Locus ID:	6484
UniProt ID:	Q11206
Cytogenetics:	11q24.2
Domains:	Glyco_transf_29
Protein Families:	Secreted Protein, Transmembrane
Protein Pathways:	Glycosphingolipid biosynthesis - lacto and neolacto series, Metabolic pathways
Gene Summary:	<p>This gene encodes a member of the glycosyltransferase 29 family, a group of enzymes involved in protein glycosylation. The encoded protein is targeted to Golgi membranes but may be proteolytically processed and secreted. The gene product may also be involved in the increased expression of sialyl Lewis X antigen seen in inflammatory responses. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Dec 2011]</p> <p>Transcript Variant: This variant (1), as well as variant 9, encodes 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.</p>