

Product datasheet for **SC104850**

ST3GAL4 (AK021929) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ST3GAL4 (AK021929) Human Untagged Clone
Tag:	Tag Free
Symbol:	ST3GAL4
Synonyms:	CGS23; NANTA3; SAT3; SIAT4; SIAT4C; ST3GalIV; STZ
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Cell Selection:	None
Fully Sequenced ORF:	>NCBI ORF sequence for AK021929, the custom clone sequence may differ by one or more nucleotides

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ATGGTGTGGTATTCCATCTCCCGGAAGACAGGTACATCGAGCTTTTTTATTTCCCATCCCAGAGAAGA  
AGGAGCCGTGCCCCAGGGTGAGGCAGAGAGCAAGGCCTCTAAGCTCTTTGGCAACTACTCCCGGGATCA  
GCCATCTTCTGCGCTTGAGGATTATTTCTGGGTCAAGACGCCATCTGCTTATGAGCTGCCCTATGGG  
ACCAAGGGGAGTGAGGATCTGCTCCTCCGGGTGCTAGCCATCACCAGCTCCTCCATCCCCAAGAATCC  
AGAGATTGAACAATGCCCCAGTGGCTGGCTATGAGGGTGACGTGGGCTCCAAGACCACCATGCGTCTCTT  
CTACCTGAATCTGCCCACTTCGACCCCAAAGTAGAAAACAACCCAGACACACTCCTCGTCTGGTAGCT  
TTCAAGGCAATGGACTTCCACTGGATTGAGACCATCCTGAGTGATAAGAAGCGGGTGCGAAAGGGTTTCT  
GGAACAGCCTCCCCTCATCTGGGATGTCAATCCTAAACAGATTCGGATTCTCAACCTCTTCTTCATGGA  
GATTGCAGCTGACAACTGCTGAGCCTGCCAATGCAACAGCCACGGAAGATTAAGCAGGATGCGGAATTT  
GGTCAGAGCCGTTTCATGTCAGAGCTCAGCAGAATGGCAGCTGAACCTGGGAGATCACTGCTGTTCTGA  
GAAAGGCTGCAATTGTGCTTTCACGATGCTTTCCAAGACAGCCAAGGCAGGTATAATTTCTCAGCA  
AGAAAGAGGAACCTCGGAGGTGTGACCCGCTGGCTGGCCACCCAGGTATTGGCAAAAGTGACTGTCGGG  
CTGCTGGCCCGGCCCGCCCGCTCCCTGGAGCACTCAGATGCGGTCCGGCGCGCGTGTCTCCGGA  
TGAAGCACTTGATCTGGCCCTTCTCGCCGTGGAGGGCGTGTGGGTCTGGGTGCTGGAGATGATGGGGG  
TCTGTTGAGAAACAGCGTCCCATTAGGCACCCGGAAGGGCACGTCCTGCTGGCGCCCTCTGGGTGG  
GTTCAGAAGTGATTCATTAA
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5' Read Nucleotide Sequence:	>OriGene 5' read for AK021929 unedited AAGGCTCTGCATTAGTNATACGACTTACTATAGGGCGGCCGGAATTCGCACCAGCCCAG GCCGGACCCGCGCCCGGGNACAGNACCCGGCCGAGTCGAGCCGTCGCGCCAGCGCTGCGC CGCCGGTCGGTGCGCCTAGCGGATCGGAGCTGCGCGCGGAACCGTGCTGCCCCGCCCCGC TCCACCCGTGAGGGTGGCCCGAGGCAGCCGGATGACAGCTCTCCCAGGAATCCTGTG CCTGGTCGAGAAACATGGTCAGCAAGTCCCGCTGGAAGCTCCTGGCCATGTTGGCTCTGGT CCTGGTCGTCATGGTGTGGTATTCCATCTCCCGGAAGACAGGTACATCGAGCTTTTTTA TTTTCCCATCCCAGAGAAGAAGGAGCCGTGCCTCCAGGGTGAGGCAGAGAGCAAGGCCTC TAAGCTCTTTGGCAACTACTCCCGGGATCAGCCCATCTTCTGCGGCTTGAGGATTATTT CTGGTCAAGACGCCATCTGCTTACGAGCTGCCCTATGGGACCAAGGGGAGTGAGGATCT GCTCCTCCGGGTCTAGCCATCACCAGCTCCTCCATCCCCAAGAACATCCAGAGCCTCAG GTGCCGCCGCTGTGTGGTCTGGGGAACGGGCACCGGCTGCGGAACAGCTCACTGGGAGA TGCCATCAACAAGTACGATGTGGTCATCAGATTGAACAATGCCNCAGTGGCTGGCTATGA GGGTGNACGTGGCTCCNAGACCACCATGCGTCTTCTACCCTGAATCTGCCACTTCGA CCCCAAGTAGAAAACAACCCAGACACACTCCTCGTCCTGGTAGCTTTCAAGGGCATGGAC TTCACCTGGATTGAGACCTCCTGAGTGATAGAAGCGGGTGC GAAAGGTTTCTGG
Restriction Sites:	NotI-NotI
ACCN:	AK021929
Insert Size:	2000 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:	AK021929.1 , BAB13940.1
RefSeq Size:	1306 bp
RefSeq ORF:	1071 bp
Locus ID:	6484
Cytogenetics:	11q24.2
Protein Families:	Secreted Protein, Transmembrane
Protein Pathways:	Glycosphingolipid biosynthesis - lacto and neolacto series, Metabolic pathways

Gene Summary:

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]