

## Product datasheet for SC115789

### ST3GAL2 (NM\_006927) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	ST3GAL2 (NM_006927) Human Untagged Clone
Tag:	Tag Free
Symbol:	ST3GAL2
Synonyms:	Gal-NAc6S; SIAT4B; ST3GalA.2; ST3GALII
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL6</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC115789 sequence for NM_006927 edited (data generated by NextGen Sequencing)

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ATGAAGTGCTCCCTGCGGGTGTGGTTCCTCTCCGTGGCCTTCCTGCTGGTGTTCATCATG
TCCTTGCTCTTACCTACTCGCACACAGCATGGCCACGCTCCCCACCTGGACTCAGGG
GCCCTGGATGGGACGCACCGGGTGAAGCTGGTCCCGGCTATGCCGGCCTGCAGCGCCTC
AGCAAGGAGAGGCTCTCGGGCAAGAGCTGTGCCTGTCGCCGCTGCATGGGCGATGCCGT
GCCTCCGACTGGTTTGACAGCCACTTTGACGGTAAATTTCCCCCGTCTGGACCCGAGAG
AACATGGATCTTCCACCGGACGTCCAGAGGTGGTGGATGATGCTGCAGCCCCAGTTCAAG
TCACACAACCAATGAGGTGCTGGAGAAGCTGTTCCAGATAGTGCCTGGCGAGAACCC
TACCGCTTCCGGGACCCCAACAGTGCCGGCGCTGTGCCGTGGTGGGAACTCGGGCAAC
CTGCGGGGCTCTGGCTATGGGCAGGACGTGGACGGGCACAACCTTCATCATGAGGATGAAT
CAGGGCCCAACCGTGGGCTTTGAGCAGGATGTTGGCAGCCGAACCCACCATTTTCATG
TACCCTGAGAGTGCCAAGAACCTGCCCGCAACGTGAGCTTCGTGCTGGTGCCTTCAAG
GTCCTGGACCTTCTGTGGATCGCCAGCGCCTTGTCCACGGGGCAGATCCGATTCACCTAC
GCCCCAGTGAAGTCTTCTTTCGAGTGGATAAAGAAAAGGTCCAGATCTACAACCCAGCC
TTCTTCAAGTATATCCACGACAGGTGGACAGAGCATCACGGGCGGTACCTTCCACGGGG
ATGCTGGTGTCTTTCTTGGCCGTCATGTGTGTGATGAGGTGAACGTGTACGGGTTCCGG
GCCGACAGCCGGGGCAACTGGCACCACTACTGGGAGAACAACCGGTACGGGGCGAGTTC
CGGAAGACTGGCGTGACGACGCGGACTTCGAGGCCACATCATCGACATGCTGGCCAAG
GCCAGCAAGATCGAAGTCTACCGGGCAACTGA

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Clone variation with respect to NM\_006927.3



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<b>5' Read Nucleotide Sequence:</b>	>OriGene 5' read for NM_006927 unedited NAAAACTCTNNNNNNNNNANNTTTNTTNTATTTTTTACACCCGCCGTTGNCGCAAAG GGCGGTAGGCGGTACGGTGGGNAGTCTATATAAGCAGNACTCATTTAGGTGACACTATA GAATACAAGCTACTTGTCTTTTTGCAGCGCCGCGAATTCGGCACGAGGGGAGACCTGG ACCCTGGTAGGGAGCTCAGCACAAGCTCGCCTGACCCAGATGGTATTGGACACAGTGCC CGCTGAACAGCAGCTGTTCCCAGCGCCAGAGGACCCACAGCCACAGTAGGAGCTTTCG ACCCTACGCAACTGCAGCTGGGGCTGGGGCCACCAGGAGAAGGGACCAGCACCTCAGAT GGAAGCAGAAGGCAAGACCTACTGCGAAAGGATCTCGATCTCTGCAGCGGAGTTTTTC CCACACTCACAGAGCTTCTGTTTTTGTCTCTCAGGGTTGGGGTCTGGCTCCCCCTCTC TGGCAGAGTTTTGGGCCAGGAGTGGGACAACACTTGCATGGAACCAAGTCCCCTGAA GCCCTGTGCTCTCTGTTGTGATTGGAGTTCTAGGGCTTCCCGCTGCCGGAACGAGGG GCCGCTCATTGTCTGCTCATGAACCACAAGGACCCCGACTGCTCCAGACTGGATTATTT CAAGCCGCCAAAGAGGGGACCCCTAGAGCTGGCAGCCAGCAATCCCAAGGGACTAGAGG GCTGCTATGGACTGACCTCCCCCTCACCAGGGTGGCAGGAGAGGCAGAGCCTCTGTGCC TAGCTAGTGACGGAGAGACCCGATGAAGCCCTAAGCAGGGGCCCGCCTGACTCAGGGAC AGGACAGCCACTCTGCCACGTGTTCNTCCTACATGAGNAAGGGCGTGGCAAGGGAC CCCTGCCACTGTCCCCTGCTGCAGCACGTGCCCTATGCCTTTGGCATGTGG
<b>Restriction Sites:</b>	NotI-NotI
<b>ACCN:</b>	NM_006927
<b>Insert Size:</b>	2500 bp
<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
<b>RefSeq:</b>	<a href="#">NM_006927.2</a> , <a href="#">NP_008858.1</a>
<b>RefSeq Size:</b>	2479 bp
<b>RefSeq ORF:</b>	1053 bp
<b>Locus ID:</b>	6483
<b>UniProt ID:</b>	<a href="#">Q16842</a>
<b>Cytogenetics:</b>	16q22.1
<b>Domains:</b>	Glyco_transf_29
<b>Protein Families:</b>	Transmembrane

<b>Protein Pathways:</b>	Glycosphingolipid biosynthesis - ganglio series, Glycosphingolipid biosynthesis - globo series, Keratan sulfate biosynthesis, Metabolic pathways, O-Glycan biosynthesis
<b>Gene Summary:</b>	The protein encoded by this gene is a type II membrane protein that catalyzes the transfer of sialic acid from CMP-sialic acid to galactose-containing substrates. The encoded protein is normally found in the Golgi but can be proteolytically processed to a soluble form. This protein, which is a member of glycosyltransferase family 29, can use the same acceptor substrates as does sialyltransferase 4A. [provided by RefSeq, Jul 2008]