

Product datasheet for **SC326030**

ST6GAL2 (NM_001142351) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: ST6GAL2 (NM_001142351) Human Untagged Clone
Tag: Tag Free
Symbol: ST6GAL2
Synonyms: SIAT2; ST6GalII
Vector: pCMV6 series

Fully Sequenced ORF: >NCBI ORF sequence for NM_001142351, the custom clone sequence may differ by one or more nucleotides

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ATGAAACCACACTTGAAGCAATGGAGACAACGAATGCTTTTCGGAATATTCGCTTGGGGG
CTCCTCTTTTGGCTGATTTTCATCTACTTCACCGACAGCAACCCCGCTGAGCCTGTACCC
AGCTCCCTCTCCTTCTGGAGACCAGGAGGCTCCTGCCGGTGCAGGGGAAGCAGCGGGCC
ATCATGGGCGCCGCACATGAGCCCTCCCGCCTGGGGGCCTGGACGCACGCCAGGCGCTG
CCCCGCGCCACCCAGCCGGTTCCTTTTCATGCGGGGCCTGGAGACCTGCAGAAATGGGCC
CAGTCCCAAGATGGGTTTGAACATAAAGAGTTTTTTTCATCCCAGGTGGGGAGAAAATCT
CAAAGTGCTTTTACCCGGAGGATGACGACTACTTTTTTCTGCTGGTCCAGCCAGGGTGG
CACAGCCACACTAGGGGACATTGGGATTCCTTCCCGGGGAGCCAGGCCACCGGGAG
GGGGCTTTTCCGGCTGCACAGGTCCAGAGGAGGCGGGTGAAGAAGAGGCACCGGAGGCAG
AGAAGGAGCCACGTGTTGGAGGAGGGCGACGACGGCGACAGGCTGTACTCCTCCATGTCC
AGGGCCTTCTGTACCGCTCTGGAAGGGGAACGTCTTCCAAAATGCTGAACCCGCGC
CTGCAGAAGGCGATGAAGGATTACCTGACCGCCAACAAGCACGGGGTGCCTTCCGCGGG
AAGCGGGAGGCCGGGCTGAGCAGGGCACAGCTGCTGTGCCAGCTGCGGAGCCGCGCGCC
GTGCGGACGCTGGACGGCACCGAGGCGCCCTTTCTGCGCTGGCTGGCGGCGCCTGGTG
CCCGCGTGCCCTGAGCCAGCTGCACCCCGCGGCTGCGCAGCTGCGCTGTCGTCATG
TCTGCAGGCGCAATCCTCAACTCTTCTTGGGCGAGGAAATAGATTCTCATGATGCGGTT
TTGAGATTTAACTCTGCTCCTACACGTGTTATGAGAAAAGATGTTGGGAATAAAACCACC
ATACGCATCATTAAATTCGCAGATTCTGACCAACCCAGCCATCACTTCATTGACAGTTCA
CTGTATAAAGACGTCATTTTGGTGGCCTGGGACCCTGCCCATATTCCGCAAATCTTAAC
CTGTGGTACAAAAACCGGATTACAACCTGTTCACTCCATATATTCAGCATCGTCAGAGA
AACCCAAATCAGCCATTTTACATCTTTCATCCTAAATTTATATGGCAGCTCTGGGATATT
ATCCAGGAGAACACTAAAGAGAAGATTCAACCAACCCACCATCTTCTGGTTTCATTGGA
ATCCTCATAATGATGTCCATGTGCAGAGAGGTGCACGTGTATGAATATATCCCATCCGTG
CGGCAGACGGAGCTGTGCCACTACCACGAGCTGTACTACGACGCAGCCTGACCCCTCGGG
GCGTACCACCCACTACTCTATGAGAAGCTCCTGGTGCAGCGCCTGAACATGGGCACGCAG
GGGGATTTGCATCGCAAGGGCAAGGTGGTTCTTCCCGGCTCCAGGCGGTGCACTGCCCT
GCACCAAGTCCAGTCATTCCACACTCT
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Restriction Sites: Please inquire



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ACCN:	NM_001142351
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:	<u>NM_001142351.1</u> , <u>NP_001135823.1</u>
RefSeq Size:	6801 bp
RefSeq ORF:	1590 bp
Locus ID:	84620
UniProt ID:	<u>Q96JF0</u>
Cytogenetics:	2q12.3
Protein Families:	Transmembrane
Gene Summary:	<p>This locus encodes a sialyltransferase. The encoded type II transmembrane protein catalyzes the transfer of sialic acid from CMP to an oligosaccharide substrate. Polymorphisms at this locus may be associated with variations in risperidone response in schizophrenic patients. Alternatively spliced transcript variants have been described. [provided by RefSeq, Jan 2012]</p> <p>Transcript Variant: This variant (2) differs in the 5' UTR compared to variant 1. Both variants 1 and 2 encode the same isoform (a). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The extent of this transcript is supported by transcript alignments.</p>