

Product datasheet for **SC309210**

ST6GAL2 (NM_032528) Human Untagged Clone

Product data:

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|---------------------------|--|
| Product Type: | Expression Plasmids |
| Product Name: | ST6GAL2 (NM_032528) Human Untagged Clone |
| Tag: | Tag Free |
| Symbol: | ST6GAL2 |
| Synonyms: | SIAT2; ST6GalII |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |



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Fully Sequenced ORF: >SC309210 representing NM_032528.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGCATCGCC
ATGAAACCACACTTGAAGCAATGGAGACAACGAATGCTTTTCGGAATATTCGCTTGGGGGCTCCTCTTT
TTGCTGATTTTTCATCTACTTCCAGCAGCAACCCCGCTGAGCCTGTACCCAGCTCCCTCCTTCCCTG
GAGACCAGGAGGCTCCTGCCGGTGCAGGGGAAGCAGCGGCCATCATGGGCGCCGCACATGAGCCCTCC
CCGCCTGGGGGCTGGACGCACGCCAGGCGCTGCCCGCGCCACCCAGCCGGTTCTTTTCATGCGGGG
CCTGGAGACCTGCAGAAATGGGCCAGTCCCAAGATGGGTTTGAACATAAAGAGTTTTTTTCATCCAG
GTGGGGAGAAAATCTCAAAGTCTTTTACCCGGAGGATGACGACTACTTTTTTGTCTGGTGCAGCCA
GGGTGGCAGCCACACTCAGGGGACATTGGGATTCCTTCCCCGGGGAGCCAGGCCACGGGAGGGG
GCTTTTCCGGCTGCACAGGTCCAGAGGAGCGGGTGAAGAAGAGGCACCCGAGGCAGAGAAGGAGCCAC
GTGTTGGAGGAGGCGACGACGGCGACAGGCTGTACTCCTCCATGTCCAGGGCCTTCTGTACCGGCTC
TGAAGGGGAACGTCTTCCAAAATGCTGAACCCGCGCTGCAGAAGGCGATGAAGGATTACCTGACC
GCCAACAAAGCACGGGGTGCCTTCCGCGGAAGCGGGAGGCCGGGCTGAGCAGGGCACAGCTGCTGTGC
CAGCTGCGGAGCCGCGCGCGCTGCGGACGCTGGACGGCACCCAGGCGCCCTTTTCTGCGTGGGCTGG
CGGCGCCTGGTCCCAGCGTGCCTGAGCCAGCTGCACCCCGCGGCCTGCGCAGCTGCGCTGTGCTC
ATGTCTGCAGGCGCAATCCTCAACTCTTCTTGGGCGAGGAAATAGATTCTCATGATGCGGTTTTGAGA
TTAACTCTGCTCCTACACGTGGTTATGAGAAAGATGTTGGGAATAAAACCACCATACGCATCATTAAAT
TCGCAGATTCTGACCAACCCAGCCATCACTTCATTGACAGTTCACTGTATAAAGACGTCATTTGGTG
GCCTGGGACCCCTGCCCATATCCGCAAATCTTAACTGTGGTACAAAAAACCGGATTACAACCTGTTT
ACTCCATATATTCAGCATCGTCAGAGAAACCAATCAGCCATTTTACATTCTTCACTAAATTTATA
TGGCAGCTCTGGGATATTATCCAGGAGAACACTAAAGAGAAGATTCAACCAACCCACCATCTTCTGGT
TTCATTGGAATCCTCATAATGATGTCCATGTGCAGAGAGGTGCACGTGTATGAATATATCCATCCGTG
CGGCAGACGGAGCTGTGCCACTACCAGAGCTGTACTACGACGCAGCCTGCACCCCTCGGGGCGTACCAC
CCACTACTCTATGAGAAGCTCCTGGTGCAGCGCTGAACATGGGCACGCAGGGGGATTTGCATCGCAAG
GGCAAGGTGGTTCTTCCCGGCTTCCAGGCGGTGCACTGCCCTGCACCAAGTCCAGTCATTCCACACTT
TAA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGCGC
  
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- Restriction Sites:** Sgfl-Mlul
- Plasmid Map:** □
- ACCN:** NM_032528
- Insert Size:** 1590 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).
- 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_032528.2](#)

RefSeq Size: 6871 bp

RefSeq ORF: 1590 bp

Locus ID: 84620

UniProt ID: [Q96JF0](#)

Cytogenetics: 2q12.3

Protein Families: Transmembrane

MW: 60.2 kDa

Gene Summary: 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] Transcript Variant: This variant (1) represents the longest transcript and encodes the longer isoform (a). Both variants 1 and 2 encode the same isoform. 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.