

Product datasheet for **SC325122**

ST6GAL2 (NM_001142352) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ST6GAL2 (NM_001142352) Human Untagged Clone
Tag:	Tag Free
Symbol:	ST6GAL2
Synonyms:	SIAT2; ST6GalII
Vector:	<u>pCMV6 series</u>
Fully Sequenced ORF:	>NCBI ORF sequence for NM_001142352, the custom clone sequence may differ by one or more nucleotides ATGAAACCACACTTGAAGCAATGGAGACAACGAATGCTTTTCGGAATATTCGCTTGGGG CTCCTCTTTTGCTGATTTTCATCTACTTCACCGACAGCAACCCCGCTGAGCCTGTACCC AGCTCCCTCTCCTTCTGGAGACCAGGAGGCTCCTGCCGGTGCAGGGGAAGCAGCGGGCC ATCATGGGCGCCGCACATGAGCCCTCCCGCCTGGGGCCTGGACGCACGCCAGGCGCTG CCCCGCGCCACCCAGCCGGTTCCTTTTCATGCGGGCCTGGAGACCTGCAGAAATGGGCC CAGTCCCAAGATGGGTTTGAACATAAAGAGTTTTTTTCATCCCAGGTGGGAGAAAATCT CAAAGTGCTTTTACCCGGAGGATGACGACTACTTTTTGCTGCTGGTCAGCCAGGTGG CACAGCCACACTAGGGGACATTGGGATTCCTTCCCCCGGGAGCCAGGCCACCGGAG GGGCTTTTTCCGCTGCACAGGTCCAGAGGAGGCGGGTGAAGAAGAGGCACCGGAGGCAG AGAAGGAGCCACGTGTTGGAGGAGGGCGACGACGGCGACAGGCTGTACTCCTCCATGTCC AGGGCCTTCTGTACCGCTCTGGAAGGGGAACGTCTCTTCCAAAATGCTGAACCCGCGC CTGCAGAAGGCGATGAAGGATTACCTGACCGCCAACAAGCACGGGGTGCCTTCCGCGGG AAGCGGAGGCGGGCTGAGCAGGGCACAGCTGCTGTGCCAGCTGCGGAGCCGCGCGCGC GTGCGGACGCTGGACGGCACCGAGGCGCCCTTTCTGCGCTGGCTGGCGGCGCCTGGTG CCCGCGTGCCCTGAGCCAGCTGCACCCCGCGCCTGCGCAGCTGCGCTGTCGTCATG TCTGCAGGCGCAATCCTCAACTCTTCTTGGGCGAGGAAATAGATTCTCATGATGCGGTT TTGAGATTTAACTCTGCTCCTACACGTGTTATGAGAAAAGATGTTGGGAATAAAACCACC ATACGCATCATTAAATTCGCAGATTCTGACCAACCCAGCCATCACTTCATTGACAGTTCA CTGTATAAAGACGTCATTTTGGTGGCCTGGGACCCTGCCCATATTCGCAAAATCTTAAC CTGTGGTACAAAAACCGGATTACAACCTGTTCACTCCATATATTCAGCATCGTCAGAGA AACCCAAATCAGCCATTTTACATTTTCATCCTAAATTTATATGGCAGCTCTGGGATATT ATCCAGGAGAACTAAAGAGAAGATTCAACCAAAACCCACCATCTTCTGGTTTCATTGGC TCATTTGTAATAAATTGGCCATATCAGAGCTTGAGTGGAGCCGAGATCACGCGACTGCACT CCAGCCTGGACGACAGAG
Restriction Sites:	Please inquire
ACCN:	NM_001142352



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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:	<u>NM_001142352.1</u> , <u>NP_001135824.1</u>
RefSeq Size:	1656 bp
RefSeq ORF:	1401 bp
Locus ID:	84620
UniProt ID:	<u>Q96JF0</u>
Cytogenetics:	2q12.3
Protein Families:	Transmembrane
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 (3) differs in the 3' UTR and 3' coding region, compared to variant 1. The resulting isoform (b) has a distinct C-terminus and is shorter than isoform a.