

## Product datasheet for **SC334293**

### ST3GAL6 (NM\_001271148) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	ST3GAL6 (NM_001271148) Human Untagged Clone
Tag:	Tag Free
Symbol:	ST3GAL6
Synonyms:	SIAT10; ST3GALVI
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_001271148, the custom clone sequence may differ by one or more nucleotides

ATGAATAATGGTCCTGTTTTAGGACATGAAGAAGAAGTTGGGAGAAGGACAACCTTCCGACTTTTTTATC  
 CAGAATCTGTTTTTTCAGATCCTATTACAATGACCCTAATACGACAGTGATTCTCACTGCTTTTAAGCC  
 ACATGATTTAAGGTGGCTGTTGGAATTGTTGATGGGTGACAAAATAAACACTAATGGTTTTTGAAGAAA  
 CCAGCCTTAAACCTGATTATAAACCTTATCAAATCCGAATATTAGATCCTTTCATTATCAGAACAGCAG  
 CTTATGAACTGCTTCATTTTCCAAAAGTGTTCCTCAAAAATCAGAAACCTAAACACCCAACAACAGGAAT  
 TATTGCCATCACATTGGCGTTTTACATATGTCACGAAGTTCACCTAGCTGGTTTTAAATACAACCTTTCT  
 GACCTCAAGAGTCCTTTGCACTACTATGGGAATGCCACCATGTCTTTGATGAATAAGAACGCGTATCACA  
 ATGTGACTGCAGAGCAGCTCTTTTGAAGGACATTATAGAAAAAACCTCGTAATCAACTTGACTCAAGA  
 TGA

Restriction Sites:	Sgfl-RsrII
ACCN:	NM_001271148
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).


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<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>	<u>NM_001271148.1, NP_001258077.1</u>
<b>RefSeq Size:</b>	3146 bp
<b>RefSeq ORF:</b>	564 bp
<b>Locus ID:</b>	10402
<b>Cytogenetics:</b>	3q12.1
<b>Protein Families:</b>	Transmembrane
<b>Protein Pathways:</b>	Glycosphingolipid biosynthesis - lacto and neolacto series, Metabolic pathways
<b>Gene Summary:</b>	<p>The protein encoded by this gene is a member of the sialyltransferase family. Members of this family are enzymes that transfer sialic acid from the activated cytidine 5'-monophospho-N-acetylneuraminic acid to terminal positions on sialylated glycolipids (gangliosides) or to the N- or O-linked sugar chains of glycoproteins. This protein has high specificity for neolactotetraosylceramide and neolactohexaosylceramide as glycolipid substrates and may contribute to the formation of selectin ligands and sialyl Lewis X, a carbohydrate important for cell-to-cell recognition and a blood group antigen. [provided by RefSeq, Apr 2016]</p> <p>Transcript Variant: Variants 6, 12, 13, 14 and 15 encode the same isoform (5). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>