

Product datasheet for **SC330925**

ST3GAL6 (NM_001271146) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: ST3GAL6 (NM_001271146) Human Untagged Clone
Tag: Tag Free
Symbol: ST3GAL6
Synonyms: SIAT10; ST3GALVI
Vector: pCMV6-Entry (PS100001)
Fully Sequenced ORF: >SC330925 representing NM_001271146.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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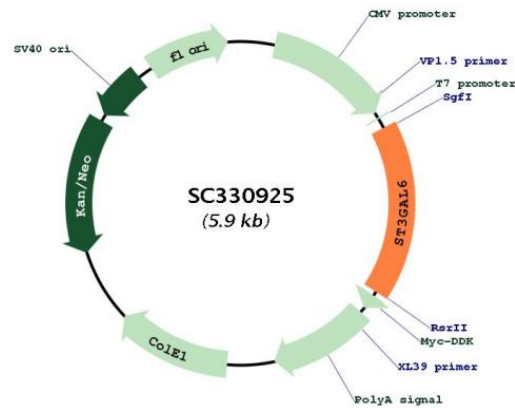
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TGGGGAACGAATGTCTATTGGGTGGCACCTGTGAAATGAAACGGAGAAATAAGATCCAGCCTTGTTTA
TCAAAGCCAGCTTTTGCCTCTCTGCTGAGGTTTCATCAGTTTCACCCTTTTCTGTGTGCGGCTGATTTT
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AACCTCGTAATCAACTTGACTCAAGATGA
  
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Restriction Sites: Sgfl-RsrII



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Plasmid Map:



ACCN: NM_001271146

Insert Size: 996 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).

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_001271146.1](#)

RefSeq Size:	3388 bp
RefSeq ORF:	996 bp
Locus ID:	10402
UniProt ID:	Q9Y274
Cytogenetics:	3q12.1
Protein Families:	Transmembrane
Protein Pathways:	Glycosphingolipid biosynthesis - lacto and neolacto series, Metabolic pathways
MW:	38.2 kDa
Gene Summary:	<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 neolacto-hexaosylceramide 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 1, 4, 7, 8 and 9 encode the same isoform (1). 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>