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Product datasheet for SC330926

ST3GAL6 (NM_001271147) Human Untagged Clone

Product data:

Product Type: Expression Plasmids

Product Name: ST3GAL6 (NM_001271147) Human Untagged Clone

Tag: Tag Free

Symbol: ST3GAL6

Synonyms: SIAT10; ST3GALVI

Vector: pCMV6-Entry (PS100001)

Fully Sequenced ORF:

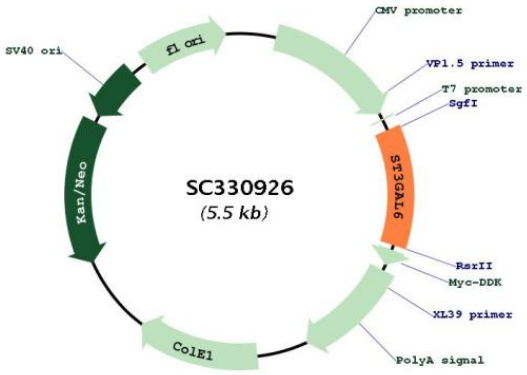
>SC330926 representing NM_001271147.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

ATGAGAACATCAGCGGAATATTTTCGACTTGCTCTTTCAAAACTGCAGAGTTGTGATCTCTTTGATGAG
TTTGACAAAATGAATAATGGTCCTGTTTTAGGACATGAAGAAGAAGTTGGGAGAAGGACAACCTTCCGA
CTTTTTTATCCAGAATCTGTTTTTTCAGATCCTATTCACAATGACCCTAATACGACAGTGATTCTCACT
GCTTTTAAGCCACATGATTTAAGGTGGCTGTTGGAATTGTTGATGGGTGACAAAATAAACACTAATGGT
TTTTGGAAGAAACCAGCCTTAAACCTGATTTATAAACCTTATCAAATCCGAATATTAGATCCTTTCATT
ATCAGAACAGCAGCTTATGAACTGCTTCATTTTCCAAAAGTGTTTCCCAAAAATCAGAAACCTAAACAC
CCAACAACAGGAATTATTGCCATCACATTGGCGTTTTACATATGTCACGAAGTTCACCTAGCTGGTTTT
AAATACAACTTTTCTGACCTCAAGAGTCCTTTGCACTACTATGGGAATGCCACCATGTCTTTGATGAAT
AAGAACGCGTATCACAATGTGACTGCAGAGCAGCTCTTTTTGAAGGACATTATAGAAAAAAACCTCGTA
ATCAACTTGACTCAAGATTGA

Restriction Sites: SgfI-RsrII

View online »

Plasmid Map:



ACCN:	NM_001271147
Insert Size:	642 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_001271147.1
RefSeq Size:	3362 bp
RefSeq ORF:	642 bp
Locus ID:	10402
UniProt ID:	Q9Y274
Cytogenetics:	3q12.1
Protein Families:	Transmembrane
Protein Pathways:	Glycosphingolipid biosynthesis - lacto and neolacto series, Metabolic pathways
MW:	24.8 kDa
Gene Summary:	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]