

Product datasheet for **SC211862**

ST3GAL5 (NM_001042437) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	ST3GAL5 (NM_001042437) Human 3' UTR Clone
Symbol:	ST3GAL5
Synonyms:	SATI; SIAT9; SIATGM3S; SPDRS; ST3Gal V; ST3GalV
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_001042437
Insert Size:	2000 bp



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Insert Sequence: >SC211862 3'UTR clone of NM_001042437
 The sequence shown below is from the reference sequence of NM_001042437. The complete sequence of this clone may contain minor differences, such as SNPs.
 Blue=Stop Codon Red=Cloning site

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GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
CTCAGTGGAGGCATTGATCGTGAATTTGAACACAGAAAACCTCAGTTGAAAATGCAACTCTAACTCTG
AGAGCTGTTTTGACAGCCTTCTTGATGATTTCTCCATCCTGCAGATACTTTGAAGTGCAGCTCATGT
TTTTAACTTTTAAATTTAAAAACACAAAAAAATTTAGCTCTTCCACTTTTTTTTTCTATTTATTTG
AGGTCAGTGTGTTTTGACACACCATTTGTAATGAACTTAAGAATTGAATTGGAAAGACTTCTCA
AAGAGAATTGTATGTAACGATGTTGATTGATTTTTAAGAAAGTAATTTAATTTGAAAACCTCTGCTC
GTTTACACTGCACATTGAATACAGGTAACAAATGGAAGGAGAGGGGAGGTCCTCTTTGATGGTGGC
CCTGAACCTCATTCTGGTCCCTGCTGCGCTGCTTGGTGTGACCCACGGAGGATCCACTCCCAGGATGA
CGTGCTCCGTAGCTCTGCTGCTGATACTGGGTCTGCGATGCAGCGCGCTGAGGCCTGGGCTGGTGGAG
AAGGTCACAACCCCTTCTCTGTTGGTCTGCCCTTCTGCTGAAAGACTCGAGAACCAACCAGGGAAGCTGTC
CTGGAGGTCCTGGTCCGAGAGGGACATAGAATCTGTGACCTCTGACAACCTGTGAAGCCACCTGGGCT
ACAGAAACCACAGTCTTCCCAGCAATTATTACAATTTTGAATTCCTTGGGGATTTTTACTGCCCTTT
CAAAGCACTTAAGTGTAGATCTAACGTGTTCCAGTGTCTGTCTGAGGTGACTTAAAAATCAGAACAA
AACTTCTATTATCCAGAGTACGGGAGAGTACACCCTTCCAGGAATAATGTTTTGGGAAACACTGAAA
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CTGGTTAATTTGGGTGCTTATGTCTATGAATCTACCCAAAACCTCCTTCTGGATGCTGCTGCTAGGCG
GAGACCTCTCTGGATGCCAGTAGTGAGGGACAGAGAATTAAGGCACCTGGTCCCTGCAAGCTGCTTGA
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CCCCTAGCTTCTGCTCTTAATGGCTCTAGCCTCTGATATCAGAAGATCTGCTACTCTGTTCCCAGCCT
GCCCCAGACTCGGCTGCCGCCATCGCTGTTCTCCACTCTGTGGCTGCTCTGTCACTAATGCTACCTGC
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CTTCCCATCTCCCTCCTCCTCACCATATGCAGGGCCAGGAGTCAGGTCATAGCATTCAAAGCAGAGTCC
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TTGTGCTTTACAGATAATTTGTATGAATTTATTTCTACTCTATAAGCTACTGCTTGTTTAAGAGA
AAATGTTTTAAGATTATACCCATCAAATGAGTTAGAAAATTGAGACTCTGGAAGATGGTCCACAGCT
CCCTTGTGGCTCAGGTGGTGTGGGCTTACACCACACAGCTCCACCCCTACATCCCTCAGGGGTTATT
GGAGAAGCCGGAACCTTCTCAGACAACGTTCTTAATGCTACGAGCGCCTCCTTGTGGTATGAGGAGAC
TTGCCTACCTGCTTCAAGGCTGCTGGGATGTGTGGTGTCAAAGCTTCCACTTGGTCACTTGCAGC
CATTCTCAGGCCTGCTCCCATCCCCATCCCTCCTCCTGTAAGGCCCTTCTTGCATCCTTAGGTTGCT
ACGCGTAAGCGGCCGCGGCATCTAGATTCAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG
  
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Restriction Sites: SgfI-MluI

OTI Disclaimer: Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences , e.g., single nucleotide polymorphisms (SNPs).

Components: The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.

RefSeq: [NM_001042437.2](#)

Summary:

Ganglioside GM3 is known to participate in the induction of cell differentiation, modulation of cell proliferation, maintenance of fibroblast morphology, signal transduction, and integrin-mediated cell adhesion. The protein encoded by this gene is a type II membrane protein which catalyzes the formation of GM3 using lactosylceramide as the substrate. The encoded protein is a member of glycosyltransferase family 29 and may be localized to the Golgi apparatus. Mutation in this gene has been associated with Amish infantile epilepsy syndrome. Transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2008]

Locus ID:

8869

MW:

74.5