

Product datasheet for RC213009

ST8SIA5 (NM_013305) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ST8SIA5 (NM_013305) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ST8SIA5
Synonyms:	SIAT8-E; SIAT8E; ST8SiaV
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC213009 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCGCTACGCGGACCCCTCGGCCAACCGGATTTGTTGGGGAGCCGAACCTTGGCTTTCATCTTCATCT
GCGCCTTTGCCTTGGTGACCTTGTGCAACAGATCCTGTATGGCAGGAACACATTAAGAGGTACTTTGA
ATTTTATGAGGGCCCTTTGAATATAACTCCACAAGATGCCTGGAGCTGAGGCACGAAATATTGGAAGTG
AAGGTGCTGTCCATGGTGAAGCAGTCAGAGCTGTTGACAGGTGGAAGAGCCTCCAGATGTGCAAAATGGG
CGATGAACATCTCTGAGGCCAACAGTTCAGTCTACTCTGTCCAGGTGCTGCAACGCCCTGCCTTCT
CTTCACCACCCAGAAGAACAACCTCCCTGGGACAAAGCTCAAGTATGAGGTGGACACCAAGTGGCATCTAC
CACATCAACCAGGAGATCTTCCGCATGTTTCCCAAGGACATGCCCTACTACCGGTCCCAGTTTAAGAAGT
GTGCTGTAGTGGCAACGGAGGCATCTTGAAGAACAGCCGCTGCGGGAGGGAGATCAACAGCGCCGACTT
CGTCTTCCGGTGCAACCTGCCCCCATCTCAGAGAAGTACACCATGGATGTGGGGTGAAGACGGATGTG
GTCAGTGTGAACCCAGCATCATCACAGAGAGTTCACAAGCTGGAGAAGTGGCGGCGGCCGTTCTATC
GCGTGTGCAGGTGTACGAGAACCGTGGTGTGCTGCCTGCCTTCTACAACACGCGCAACACCCGACGT
GTCCATCCGCGTCAAGTACGTGCTGGACGACTTCGAATCGCCGAAGCTGTCTACTACTTCCATCCGCAG
TACCTGGTCAACGTGTCGCGTACTGGCTCAGCCTGGGGTGGCGCCAAGCGCATCAGCACCCGGCCTCA
TTCTGGTCACTGCGGCGCTGGAGCTCTGTGAGGAGGTGCACCTCTTTGGCTTCTGGGCCTTCCCCATGAA
CCCCCTCGGCCTCTACATCACTACCACTACTATGACAACGTCAAGCCGCGTCCCGGCTTCCACGCCATG
CCCTCTGAGATCTTCACTTCTGCACTTGACAGCCGAGGCATCCTCCGCGTGCACACGGGCACCTGCA
GCTGCTGC

AG**CGGACCG**ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
TGGATTACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC213009 protein sequence
Red=Cloning site Green=Tags(s)

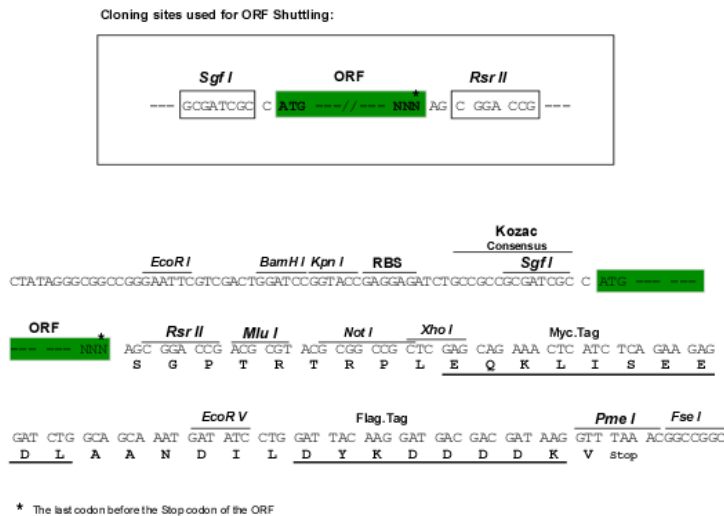
MRYADPSANRDLLGSRTLLFIFICAFALVTLQQLYGRNYIKRYFEFYEGPFEYNSTRCLELRHEILEV
 KVL SMVKQSELFDRWKS LQMCKWAMNISEANQFKSTLSRCCNAP AFLFTTQKNTPLG TKLKYEVDTSGIY
 HINQEIFRMFPK DMPYYRSQFKKCAVVGNGGILKNSRCGREINSADVFRCNLPP ISEKYTMDVGVKTDV
 VTVNPSI ITERFHKLEKWRPFYRVLQVYENASVLLPAFYNTRNTDVSIRVKYVLLDDFESPAVYFHPQ
 YLVNVSRYWLSLGVRAKRISTGLILVTALELCEEVHLFGFWAFPMNPSGLYITHHHYYDNVKPRPGFHAM
 PSEIFNFLHLHSRGILRVHTGTCSCC

SGPTRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6621_b10.zip

Restriction Sites: SgfI-RsrII

Cloning Scheme:



ACCN: NM_013305

ORF Size: 1128 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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_013305.6](#)

RefSeq Size: 2627 bp

RefSeq ORF: 1131 bp

Locus ID: 29906

UniProt ID: [O15466](#)

Cytogenetics: 18q21.1

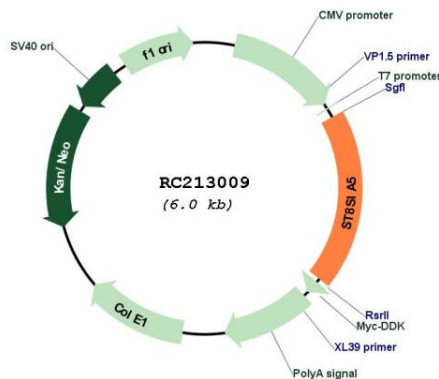
Protein Families: Transmembrane

Protein Pathways: Glycosphingolipid biosynthesis - ganglio series, Metabolic pathways

MW: 43.9 kDa

Gene Summary: The protein encoded by this gene is a type II membrane protein that may be present in the Golgi apparatus. The encoded protein, which is a member of glycosyltransferase family 29, may be involved in the synthesis of gangliosides GD1c, GT1a, GQ1b, and GT3 from GD1a, GT1b, GM1b, and GD3, respectively. [provided by RefSeq, Jul 2008]

Product images:



Circular map for RC213009