

Product datasheet for RC210380

SIA8C (ST8SIA3) (NM_015879) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SIA8C (ST8SIA3) (NM_015879) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	SIA8C
Synonyms:	SIAT8C; ST8SialII
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC210380 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAGAACTGCAAAATGGCCCGGGTCGCCAGTGTGCTGGGGCTGGTCATGCTCAGCGTCGCCCTGCTGA
TTTTATCGCTCATCAGCTACGTGTCCTGAAAAAGGAGAACATCTTCACCACTCCCAAGTACGCCAGCCC
GGGGGCGCCCGAATGTACATGTTCCACGCGGGATTCCGGTCACAATTTGCGCTGAAGTTCTAGACCCG
TCATTCGTGCCATTACGAATCTCTCACCCAGGAACCAAGAGAAACCTTCTAAGTGGAAATTTAATC
GGACAGCGTTTTTACATCAAAGGCAAGAAATCTTCAGCATGTCGATGTAATAAAAAATTTTTCTTTGAC
CAAGAATAGTGTTCGGATTGGACAACCTGATGACTATGATTATTCAGCCATAAATATGTTTTCTCTATT
AGCAATAACTTCCGGTCACTTCTTCCAGATGTGTACCCATTATGAACAAGCATTATAATTTGTGCTG
TGGTTGAAAATAGTGGGATCCTGACAGGGAGCCAGTGTGGACAAGAAATAGATAAATCAGATTTTGT
CCGTTGCAATTTCCGCCCTACGGAGGCTTTCCAAGAGATGTTGGAAGAAAAACCAATCTTACCACCTTC
AACCCAGCATCCTGGAAAAATATTACAACAATCTTTGACTATTCAGGACCGTAACAACCTTTTCTCTCA
GTTTAAAAAAGCTTGACGGGGCCATTCTTTGGATCCCTGCATTTTTCTTCCACACTTCAGCAACTGTGAC
CAGGACATTAGTTGACTTTTTTGTGAACACAGAGGTCAAGTAAAAGTCCAACCTGGCTGGCCGGGAAAT
ATAATGCAACATGTCAACAGGTACTGGAAAAACAACATTTGTACCTAAACGGCTGAGCACAGGTATTC
TTATGTACACCCTTGATCAGCAATATGTGAAGAGATCCACTTGTATGGATTTTGGCCGTTTGGATTTGA
CCCCAACACAAGGGAAGATCTTCCATACCACTACTATGACAAAAAAGGAACCAATTTTACCACCAAGTGG
CAGGAGTCCCACAGCTGCCTGCTGAGTTTCAGCTGCTGTACCGAATGCATGGGGAAGGGCTCACCAAGC
TGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



[View online >](#)

Protein Sequence: >RC210380 protein sequence
Red=Cloning site Green=Tags(s)

MRNCKMARVASVLGLVMSVALLILSLISYVSLKKENIFITPKYASPGAPRMYMFHAGFRSQFALKFLDP
 SFVPIITNSLTQELQEKPSKWKFNRTAFLHQEQEILQHVDVIKNFSLTKNSVRIGQLMHYDYSSHKYVFSI
 SNNFRSLLPDVSPIMNKHYNICAVVGNISGILTGSQCGQEIDKSDVFVRCNFAPEAFQRDVGRKTNLTTF
 NPSILEKYNNLLTIQDRNNFLLSLKLDGAILWIPAFFHTSATVTRTLVDFFVEHRGQLKVQLAWPGN
 IMQHVNRYYWKNKHLSPKRLSTGILMYTLASAICEEIHLYGFWPFDFPNTREDLPYHYDCKGKTFITKW
 QESHQLPAEFQLLYRMHGEGLTKLTL SHCA

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6379_a08.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



* The last codon before the Stop codon of the ORF

ACCN: NM_015879

ORF Size: 1140 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_015879.3](#)

RefSeq Size: 10154 bp

RefSeq ORF: 1143 bp

Locus ID: 51046

UniProt ID: [O43173](#)

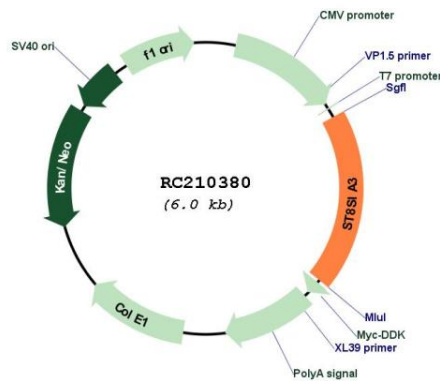
Cytogenetics: 18q21.31

Protein Families: Transmembrane

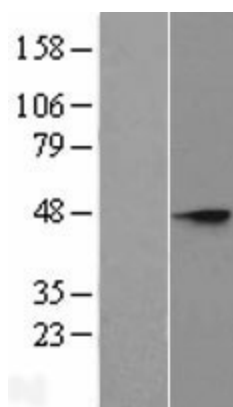
MW: 44 kDa

Gene Summary: ST8SIA3 belongs to a family of sialyltransferases that form sialyl-alpha-2,8-sialyl-R linkages at the nonreducing termini of glycoconjugates (Lee et al., 1998 [PubMed 9826427]).[supplied by OMIM, Mar 2008]

Product images:



Circular map for RC210380



Western blot validation of overexpression lysate (Cat# [LY414284]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC210380 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).