

## Product datasheet for **RG210380**

### 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:	TurboGFP
Symbol:	SIA8C
Synonyms:	SIAT8C; ST8SialII
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG210380 representing NM_015879 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGAGAACTGCAAAATGGCCCGGGTCGCCAGTGTGCTGGGGCTGGTCATGCTCAGCGTCGCCCTGCTGA  
TTTTATCGCTCATCAGCTACGTGTCCTGAAAAAGGAGAACATCTTCACCACTCCCAAGTACGCCAGCCC  
GGGGCGCCCCGAATGTACATGTTCCACGCGGGATTCCGGTCACAATTTGCGCTGAAGTTCTAGACCCG  
TCATTCGTGCCATTACGAATCTCTCACCCAGGAACCCAAGAGAAACCTTCTAAGTGAAATTTAATC  
GGACAGCGTTTTTACATCAAAGGCAAGAAATCTTCAGCATGTCGATGTAATAAAAAATTTTTCTTTGAC  
CAAGAATAGTGTTCGGATTGGACAACCTGATGCACTATGATTATTCAGCCATAAATATGTTTTCTCTATT  
AGCAATAACTTCCGGTCACTTCTTCCAGATGTGTACCCATTATGAACAAGCATTATAATTTGTGCTG  
TGGTTGAAAATAGTGGGATCCTGACAGGGAGCCAGTGTGGACAAGAAATAGATAAATCAGATTTTGT  
CCGTTGCAATTTCCGCCCTACGGAGGCTTTCCAAGAGATGTTGGAAGAAAAACCAATCTTACCACCTTC  
AACCCAGCATCCTGGAAAAATATTACAACAATCTCTTGACTATTCAGGACCGTAACAATTTTTCTCA  
GTTAAAAAAGCTTGACGGGGCCATTCTTTGGATCCCTGCATTTTTCTCCACACTTCAGCAACTGTGAC  
CAGGACATTAGTTGACTTTTTTGTGAACACAGAGGTCAAGTAAAAGTCCAACCTGGCTTGCCCGGAAAT  
ATAATGCAACATGTCAACAGGTACTGGAAAAACAACATTTGTACCTAAACGGCTGAGCACAGGTATTC  
TTATGTACACCCTTGATCAGCAATATGTGAAGAGATCCACTTGTATGGATTTTGCCGTTTGGATTTGA  
CCCCAACACAAGGGAAGATCTTCCATACCACTACTATGACAAAAAAGGAACCAATTTTACCACCAAGTGG  
CAGGAGTCCCACAGCTGCCTGCTGAGTTTCAGCTGCTGTACCGAATGCATGGGGAAGGGCTCACCAAGC  
TGA

ACCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >RG210380 representing NM\_015879  
 Red=Cloning site Green=Tags(s)

MRNCKMARVASVLGLVMLSVALLILSLISYVSLKKNIFITTPKYASPGAPRMYMFHAGFRSQFALKFLDP  
 SFVPIITNSLTQELQEKPSKWKFNRTAFLHQEQEILQHVVDVIKNFSLTKNSVRIGQLMHYDYSSHKYVFSI  
 SNNFRSLLPDVSPIMNKHYNICAVVGNISGILTGSQCGQEIDKSDFVFRCNFAPTEAFQRDVGRKTNLTTF  
 NPSILEKYNNLLTIQDRNNFLLSLKLDGAILWIPAFFHTSATVTRTLVDFFVEHRGQLKVQLAWPGN  
 IMQHVNRYYWKNKHLSPKRLSTGILMYTLASAICEEIHLYGFWPFDFPNTREDLPYHYDYDKKGTKFTTKW  
 QESHQLPAEFQLLYRMHGEGLTKLTL SHCA

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**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

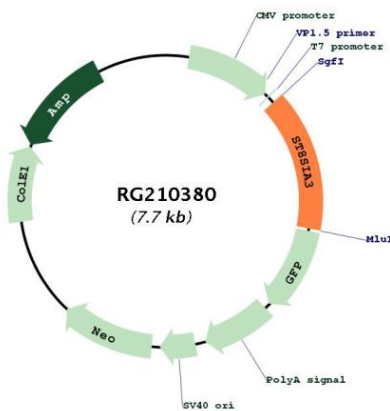
**UniProt ID:** [O43173](#)

**Cytogenetics:** 18q21.31

**Protein Families:** Transmembrane

**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 RG210380