

Product datasheet for **MG205419**

St8sia1 (NM_011374) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: St8sia1 (NM_011374) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: St8sia1
Synonyms: 9330109E03Rik; GD3S; Sia-T; Siat8; Siat8a
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG205419 representing NM_011374
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAGCCCTGCGGGCGGCCCTACATACGTCCAGAGGGGCCATGGCCATGCTAGCTCGAAATCCCGC
GTACCCGGCTACCCGTAGGAGCCAGTGCCTCTGTGTGGTGGTCTCTGTTGGCTCTACATCTTCCCTGT
CTACCCGGTGCCAACGAGAAGGAGATTGTGCAAGGGGTGCTGGCACAGCGGACGGCTTGGAGGACGAAC
CAGACGTCAGCCAGTCTTTCAGGAGACAAATGGAAGACTGCTGTGACCCTGCCATCTCTTTGCTATGA
CTAAGATGAACCCCCATGGGAAGAGCCTGTGGTACGATGGGGAGCTTTATACTCGTTCACCATCGA
TAATTCACGTAATCCCTCTTCCCCAGGCAACCCCTTCCAGCTGCCATTGAAGAAATGTGCGGTGGT
GGAAACGGTGGGATTCTGAAGATGAGTGGCTGTGGCCGTCAAATAGATGAAGCAAATTTGTGTCATGCGGT
GCAACCTGCCTCCCTGTCAAGTACACAGAGATGTCGGTCCAAAACCTAGTTGGTGACAGCTAA
CCCCAGCATAATTCGCCAGAGATTTGAAAACCTGCTGTGGTCCAGAAAGAAGTTTGTGGACAACATGAAG
ATCTATAACCACAGTTACATCTACATGCCTGCCTTTCTATGAAGACAGGCACAGAGCCGTCTCCCGT
TGTATTACACACTGAAAGATGTTGGAGCCAATCAAACAGTGCTTTTTGCTAACCCCACTTTCTTCGGAA
CATTGAAAGTTCTGGAAGAGTAGGGGATCCACGCCAAGCGCTGTCTACAGGACTCTTTTGGTGAGT
GCAGCCTTGGCCTCTGTGAGGAGGTGTCCATCTATGGCTTCTGGCCCTCTCGTGAACATGCAAGGGG
ACCTATCAGTCAACCACTACTATGACAACGCTTGGCCCTTCTCAGGCTACCATGCCATGCCGTGAGGAATT
CCTTCAGCTTTGGTATCTTCACAAAATCGGCGCGCTGAGGATGCAGCTGGACCCGTGTGAGGAGCCGTCA
CCACAGCCCACTTC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG205419 representing NM_011374
 Red=Cloning site Green=Tags(s)

MSPCGRALHTSRGAMAMLARKFPRTRLPVGASALCVVVL CWLYIFPVYRLPNEKEIVQGVLAQRTAWRTN
 QTSASL FRRQMEDCCDP AHLFAMTKMNSPMGKSLWYDGGELLYSFTIDNSTYSLFPQATPFQLPLKCAVV
 GNGGILKMSGGRQIDEANFVMRCNLPPLSSEYTRDVGSKTQLVTANPSIRQRFENLLWSRKKFVDNMK
 IYNHSYIYMPAFSMKTGTETPSLRVYYTLKDVGANQTVLFANPNFLRNIGKFWKSRGIHAKRLSTGLFLVS
 AALGLCEEVSIYGFWPF SVNMQGDPI SHHYDNLVLPFSGYHAMPEEF LQLWYLHKIGALRMQLDPCEEPS
 PQPTS

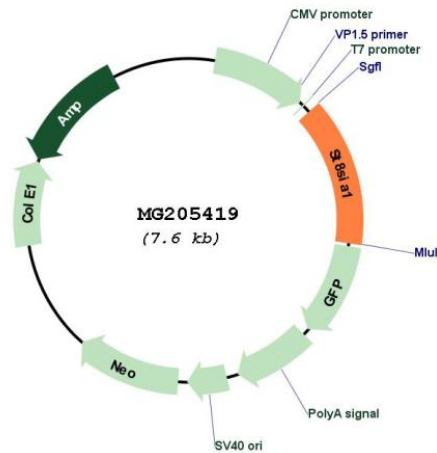
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_011374

ORF Size:	1065 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:	<ol style="list-style-type: none">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_011374.2 , NP_035504.2
RefSeq Size:	8995 bp
RefSeq ORF:	1068 bp
Locus ID:	20449
UniProt ID:	Q64687
Cytogenetics:	6 74.78 cM
Gene Summary:	Involved in the production of gangliosides GD3 and GT3 from GM3; gangliosides are a subfamily of complex glycosphingolipids that contain one or more residues of sialic acid. [UniProtKB/Swiss-Prot Function]