

## Product datasheet for MR205839

### St8sia5 (NM\_153124) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	St8sia5 (NM_153124) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	St8sia5
Synonyms:	Siat8e; ST8SiaV
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR205839 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGCGCTACGCAGACCCCTCCGCCAACAGAGATTTGTTGGGGAATCGAACTTTGCTCTTTATCTTCATCT  
GCGCCTTTGCCTTGGTGACCTTGCTTCAGCAGATCCTGTACAGCAAGAGCTACATCAAAGGTACTTCGA  
GTTTTACAAGGAGCCTTTAGAGTTAACTCCACGAGATGCCTGGAGCTGAGGCAGGAGATCTGGAGGTG  
AAGGTGCTGTCCATGGTGAAGCAGTCTGAACTCTCGAAAGGTGGAAGAGTCTCCAGATATGCAAATGGG  
CAATGGACACCGGGAAGCCAGCCTCTCAAGTCCACCTTGTCAGGTGCTGCAATGCCCCAGCTTTCT  
CTTCACCACCCAGAAGAACACCCCGGTGGAGACGAATCTCAGGTATGAGGTGGAATCCAGCGGCTTATAT  
CACATCGACCAGGAGATCTTCAAATGTTTCCCAAGGAAATGCCCTACTACCGCTCTCAGTTAAGAAGT  
GTGCTGTGGTGGCAATGGCGGCATCTTGAAGAACAGCGGCTGCGGGAAGGAGATCAACAGTGTGACTT  
TGTCTTCCGGTGAACCTGCCCCCATCTCAGGGATATATACCACAGATGCGGGAGAGAAGACAGATGTA  
GTCACCGTGAATCCCAGCATATAATTGACAGGTTCCACAAGTTGGAGAAGTGGCGGCGGCTTTCTTCA  
GCGTGTGCAGAGGTACGAGAACGCCTCAGTGTGCTGCCAGCGTTCTACAACGTCGCAACACCCCTGGT  
ATCCTTCCGAGTCAAATACATGCTGGACGACTTCCAGTCGCGGCAGCCGGTCTACTTCTTCCACCCGCAG  
TACCTGAGCAGTGTGTCGCGTACTGGCTCAGCCTGGGTGTGCGCGCGCGGCTATCAGCACCCGCTCA  
TCCTGGTCAACCGGCCCCTGGAGCTCTGCGAGGAGGTGCACTGTTCGGTTTCTGGGCTTCCCCATGAA  
CCCCTCCGGCTTCTTCATCACGCACCATTAATGACAACGTCGAAGCCCAAGCCGGGTTTCCATGTATG  
CCCTCGGAGATCTTACCTTCTGCGCATGCACAGCCGCGCATCCTTCGCGTGCACACAGGCACCTGCA  
ATTGCTGC

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >MR205839 protein sequence  
Red=Cloning site Green=Tags(s)

MRYADPSANRDLLGNRTLLFIFICAFALVTLQQLYSKSYIKRYFEFYKEPLEFNSTRCLELRQEILEV  
 KVL SMVKQSEL FERWKS LQICKWAMDTAEASLFKSTLSRCCNAPSFLFTTQKNTPVETNLRYEVESSGLY  
 HIDQEIFKMFPEMPYYRSQFKKCAVVGNGGILKNSGCGKEINSADVFVRCNLPPI SGIYTTDAGEKTDV  
 VTVNPSIIIDRFHKLEKWRPFFSVLQRYENASVLLPAFYNVRNTLVSFVRVKYMLDDFQSRQPVYFFHPQ  
 YLSSVSRYWLSL GVRARRISTGLILVTAALCELCEEVHLFGFWAFPMNPSGFFITHHHYDVKPKPGFHAM  
 PSEIFTFLRMHSRGILRVHTGTCNCC

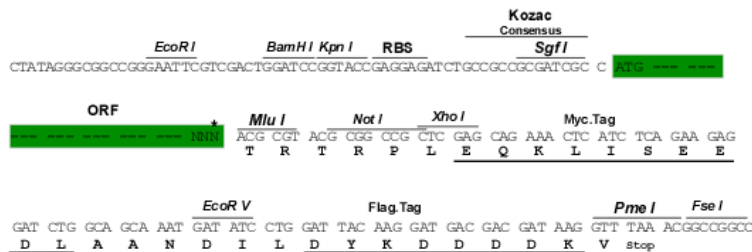
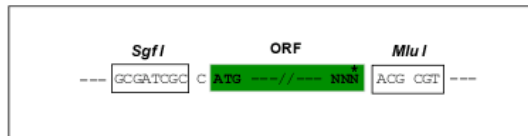
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



\* The last codon before the Stop codon of the ORF

**ACCN:** NM\_153124

**ORF Size:** 1131 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\\_153124.1](#)

**RefSeq Size:** 2006 bp

**RefSeq ORF:** 1131 bp

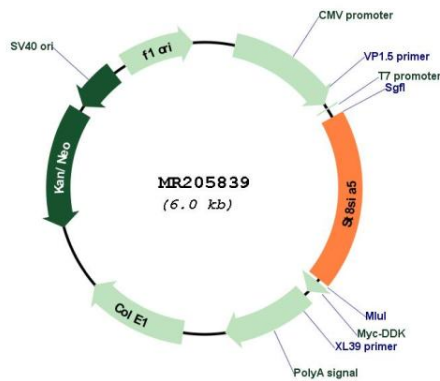
**Locus ID:** 225742

**Cytogenetics:** 18 E3

**MW:** 43.8 kDa

**Gene Summary:** May be involved in the synthesis of gangliosides GD1c, GT1a, GQ1b and GT3 from GD1a, GT1b, GM1b and GD3 respectively.[UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for MR205839