

## Product datasheet for **RR206139**

### St8sia5 (NM\_213628) Rat Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	St8sia5 (NM_213628) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	St8sia5
Synonyms:	SIAT8E
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RR206139 representing NM_213628 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**GCGATCGCC**

ATGCGCTACGCAGACCCCTCGGCCAACAGGGATTTGTTGGGAACCGAACTTTGCTCTTCATCTTCATCT  
GCGCCTTCGCCTTGGTGACCTTGTCCAGCAGATCCTGTACAGCAAGAGCTACATCAAGAGGTACTTCGA  
ATTTTACAAGGAACCTTTAGAATTTAACTCCACGAGATGCCTGGAGCTGAGGCAGGAGATCCTGGAGGTG  
AAGGTGCTGTCCATGGTGAAGCAGTCTGAACTGTTGAAAAGGTGGAAGAGCCTCCAGATATGCAAATGGG  
CGATGGACGCCTCGGAAGCCAGCCTCTTCAAGTCCACCTTGTCAGGTGTTGCAATGCCCAACTTTCT  
CTTCACCACCCAGAAGAACACCCCGTTGAGACGAATCTCAGGTATGAGGTGGAGTCCAGTGGCTTGAT  
CACATCGACCAAGAGATCTTCAAATGTTTCCAAGGAAATGCCCTACTACCGCTCTCAGTTAAGAAGT  
GTGCTGTGGTGGCAATGGCGGCATCTTGAAGAACAGCGGCTGCGGGAAGGAGATCAACAGCGCTGACTT  
CGTCTTCGGTGAATCTGCCCCATCTCAGGGATATATACCACAGATGTGGGAGAGAAGACAGATGTG  
GTCACCGTGAATCCAGCATATAATTGACAGGTTCCACAAGTTGGAGAAGTGGCGGCGCCCTTCTTCA  
GCGTGCTGCAGAGTACGAGAACGCCTCGGTGCTGCTGCCGCCCTTCTACAATGTGCGCAACACCCCTCGT  
GTCCTTCCGAGTCAAGTACATGCTGGACGACTTCCAGTCGGGGAGCCCGTCTACTTCTCCATCCTCAT  
TACCTGAGCAGCGTGTGCGCTACTGGCTCAGCCTGGGCGTGCAGCAGCGCATCAGCACCAGCCTCA  
TCCTGGTCACTGCGGCCCTGGAGCTCTGCGAGGAGGTGCACCTGTTTCGGTTTCTGGGCCCTCCCCATGAA  
CCCCTCCGGCTTCTTCATCACGCACCACTACTATGACAAATGTCAAGCCCAAGCCCGGCTTTCATGCTATG  
CCCTCGGAGATCTTACCTTCTGCGCATGCACAGCCGCGCATCCTCCGCGTGCACACAGGCACCTGCA  
ATTGCTGC

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >RR206139 representing NM\_213628  
Red=Cloning site Green=Tags(s)

MRYADPSANRDLLGNRTLLFIFICAFALVTLQQLYSKSYIKRYFEFYKEPLEFNSTRCLELRQEILEV  
 KVL SMVKQSEL FERWKS LQICKWAMDASEASLFKSTL SRCCNAPNFLFTTQKNTPVETNLR YEVESSGLY  
 HIDQEIFKMFPEMPYYRSQFKKCAVVGNGGILKNSGCGKEINSADVFRCNLPPI SGIYTTDVGEKTDV  
 VTVNPSIIIDRFHKLEKWRPFFSVLQRYENASVLLPAFYNVRNTLV SFRVKYMLDDFQSGEPVYFFHPPH  
 YLSSVSRYWLSL GVRARRISTGLILVTALELCEEVHLFGWAFPMNPSGFFITHHHYD NVKPKPGFHAM  
 PSEIFTFLRMHSRGILRVHTGTCNCC

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

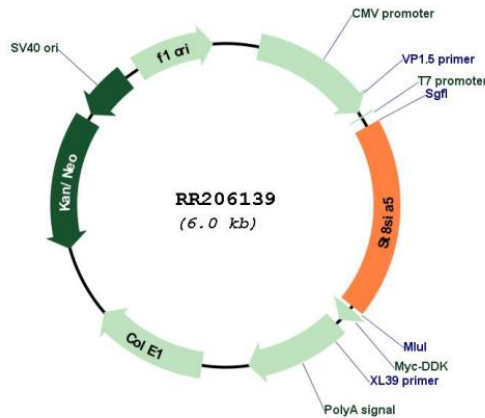
**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:**

NM\_213628

<b>ORF Size:</b>	1128 bp
<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_213628.1</a> , <a href="#">NP_998793.1</a>
<b>RefSeq Size:</b>	1131 bp
<b>RefSeq ORF:</b>	1131 bp
<b>Locus ID:</b>	364901
<b>UniProt ID:</b>	<a href="#">Q6ZXC8</a>
<b>Cytogenetics:</b>	18q12.3
<b>MW:</b>	43.8 kDa
<b>Gene Summary:</b>	mouse homolog plays a role in ganglioside biosynthesis [RGD, Feb 2006]