

## Product datasheet for **MG205839**

### St8sia5 (BC034855) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	St8sia5 (BC034855) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	St8sia5
Synonyms:	ST8SiaV, MGC41119
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG205839 representing BC034855 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGCGCTACGCAGACCCCTCCGCCAACAGAGATTTGTTGGGGAATCGAACTTTGCTCTTTATCTTCATCT  
GCGCCTTTGCCTTGGTGACCTTGCTTCAGCAGATCCTGTACAGCAAGAGCTACATCAAAGGTACTTCGA  
GTTTTACAAGGAGCCTTTAGAGTTAACTCCACGAGATGCCTGGAGCTGAGGCAGGAGATCTGGAGGTG  
AAGGTGCTGTCCATGGTGAAGCAGTCTGAACTCTCGAAAGGTGGAAGAGTCTCCAGATATGCAAATGGG  
CAATGGACACCGGGAAGCCAGCCTCTCAAGTCCACCTTGTCAGGTGCTGCAATGCCCCAGCTTTCT  
CTTCACCACCCAGAAGAACACCCGGTGGAGACGAATCTCAGGTATGAGGTGGAATCCAGCGGCTTATAT  
CACATCGACCAGGAGATCTTCAAATGTTTCCCAAGGAAATGCCCTACTACCGCTCTCAGTTAAGAAGT  
GTGCTGTGGTGGCAATGGCGGCATCTTGAAGAACAGCGGCTGCGGGAAGGAGATCAACAGTGTGACTT  
TGTCTTCCGGTGAACCTGCCCCCATCTCAGGGATATAACCACAGATGCGGGAGAGAAGACAGATGTA  
GTCACCGTGAATCCCAGCATATAATTGACAGGTTCCACAAGTTGGAGAAGTGGCGGCGGCTTTCTTCA  
GCGTGTGCAGAGGTACGAGAACGCCTCAGTGTGCTGCCAGCGTTCTACAACGTCGCCAACACCCCTGGT  
ATCCTTCCGAGTCAAATACATGCTGGACGACTTCCAGTCCGCGCAGCCGGTCTACTTCTTCCACCCGCAG  
TACCTGAGCAGTGTGTCGCGTACTGGCTCAGCCTGGGTGTGCGCGCGCGGTATCAGCACCCGCTCA  
TCCTGGTCAACCGGCCCCCTGGAGCTCTGCGAGGAGGTGCACTGTTTCGGTTTCTGGGCCCTTCCCCATGAA  
CCCCCTCCGGCTTCTTCATCACGCACCATTAATGACAACGTCGAAGCCCAAGCCGGGTTTCCATGTATG  
CCCTCGGAGATCTTACCTTCTGCGCATGCACAGCCGCGCATCCTTCGCGTGCACACAGGCACCTGCA  
ATTGCTGC

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >MG205839 representing BC034855  
 Red=Cloning site Green=Tags(s)

MRYADPSANRDLLGNRTLLFIFICAFALVTLQQLYSKSYIKRYFEFYKEPLEFNSTRCLELRQEILEV  
 KVL SMVKQSEL FERWKS LQICKWAMDTAEASLFKSTL SRCCNAPSFLFTTQKNTPVETNLR YEVESSGLY  
 HIDQEIFKMFPEMPYRSQFKKCAVVGNGGILKNSGCGKEINSADFVFCNLPPI SGIYTTDAGEKTDV  
 VTVNPSIIIDRFHKLEKWRPFFSVLQRYENASVLLPAFYNVRNTLV SFRVKYMLDDFQSRQPVYFFHPQ  
 YLSSVSRYWLSL GVRARRISTGLILVTALELCEEVHLFGWAFPMNPSGFFITHHHYYDNV KPKPGFHAM  
 PSEIFTFLRMHSRGILRVHTGTCNCC

TRTRPLE - GFP Tag - V

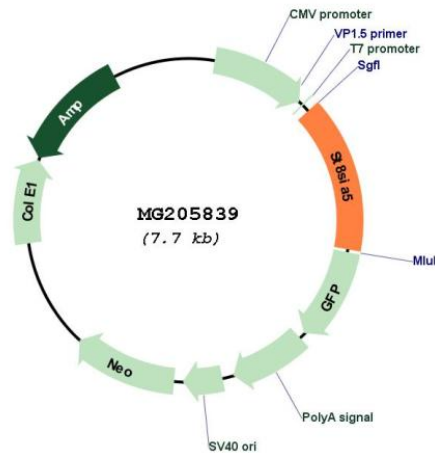
**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:**

BC034855

<b>ORF Size:</b>	1130 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="#">BC034855</a> , <a href="#">AAH34855</a>
<b>RefSeq Size:</b>	1881 bp
<b>RefSeq ORF:</b>	1130 bp
<b>Locus ID:</b>	225742
<b>Cytogenetics:</b>	18 E3
<b>Gene Summary:</b>	May be involved in the synthesis of gangliosides GD1c, GT1a, GQ1b and GT3 from GD1a, GT1b, GM1b and GD3 respectively.[UniProtKB/Swiss-Prot Function]