

## Product datasheet for **MG218712**

### St8sia5 (NM\_013666) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	St8sia5 (NM_013666) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	St8sia5
Synonyms:	Siat8e; ST8SiaV
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG218712 representing NM_013666 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGCGCTACGCAGACCCCTCCGCCAACAGAGATTTGTTGGGAATCGAACTTTGCTCTTTATCTTCATCT  
GCGCCTTTGCCTTGGTGACCTTGCTTCAGCAGATCCTGTACAGCAAGAGCTACATCAAAGAGGCTTCCA  
GTTTGGTTGGCAGAGGGGCGACCAACAGGCCAATTGGACTGGGCTCTTAAATGACAGCGACGCCAACA  
GAGCAGAACATCACTGGCTCCAGCTCCAGTACTTCGAGTTTACAAGGAGCCTTAGAGTTAACTCCA  
CGAGATGCCTGGAGCTGAGGCAGGAGATCCTGGAGGTGAAGGTGCTGTCCATGGTGAAGCAGTCTGAACT  
CTTCGAAAGGTGGAAGAGTCTCCAGATATGCAAATGGGCAATGGACACCGCGGAAGCCAGCCTCTTCAAG  
TCCACCTTGCCAGGTGCTGCAATGCCCCAGCTTTCTCTTACCACCCAGAAGAACACCCCGGTGGAGA  
CGAATCTCAGGTATGAGGTGGAATCCAGCGCTTATATCACATCGACCAGGAGATCTTAAAAATGTTTCC  
CAAGGAAATGCCCTACTACCGCTCTCAGTTAAGAAGTGTGCTGTGGTGGCAATGGCGGCATCTTGAAG  
AACAGCGGCTGCGGGAAGGAGATCAACAGTGTGACTTTGTCTTCCGGTGAACCTGCCCCCATCTCAG  
GGATATATACCACAGATGTGGGAGAGAAGACAGATGTAGTCACCGTGAATCCCAGCATCATAATTGACAG  
GTTCCACAAGTTGAGAAGTGGCGGCGGCTTTCTTCCAGCGTGTGCAGAGGTACGAGAAGCAGCCTCAGT  
CTGCTGCCAGCGTTCTACAACGTCGCAACACCCTGGTATCCTTCCGAGTCAAATACATGCTGGACGAT  
TCCAGTCGCGGCAGCCGGTCTACTTCTTCCACCCGAGTACCTGAGCAGTGTGTGCGCTACTGGCTCAG  
CCTGGGTGTGCGCGCGGCGTATCAGCACCGGCTCATCTGGTACCAGCGGCCCTGGAGCTCTGCGAG  
GAGGTGCACCTGTTTCGGTTTCTGGGCTTCCCATGAACCCCTCCGGCTTCTTATCACGCACCATTA  
ATGACAACGTCAGCCCAAGCCGGTTTCCATGCTATGCCCTCGGAGATCTTACCTTCTGCGCATGCA  
CAGCCGCGCATCCTTCGCTGCACACAGGCACCTGCAATTGCTGC

**ACGCGT**ACGCGGCGGCTCGAG - GFP Tag - GTTTAA



[View online »](#)

**Protein Sequence:** >MG218712 representing NM\_013666  
Red=Cloning site Green=Tags(s)

MRYADPSANRDLLGNRTLLFIFICAFALVTLQQLYSKSYIKRGFQFGWQRGDQQANWTGLFNDSDSPT  
 EQNITGSSSRIFYEFYKEPLEFNSTRCLRLRQEILEVKVLSMVKQSELFERWKSQICKWAMDTAEASLFK  
 STL SRCCNAPSFLFTTQKNTPVETNLRYEVESGLYHIDQEIFKMFPEMPYYRSQFKKCAVVGNGGILK  
 NSGCGKEINSADFVFRCNLPPISGIYTTDVGEKTDVVTVNPSIIIDRFHKLEKWRPFFSVLQRYENASV  
 LLPAFYINVRNTLVSRVKYMLDDFQSRQPYYFFHPQYLLSSVSRYWLSLGVRRRISTGLILVTALELCE  
 EVHLFGFWAFPMNPSGFFITHHYDENVKPKPGFHAMPSEIFTFLRMHSGILRVHTGTCCNC

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_013666

**ORF Size:** 1236 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\\_013666.2](#), [NP\\_038694.2](#)

**RefSeq Size:** 2114 bp

**RefSeq ORF:** 1239 bp

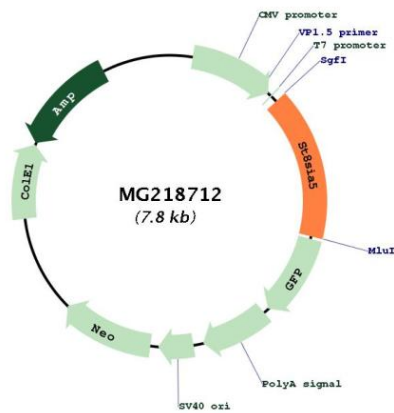
**Locus ID:** 225742

**UniProt ID:** [P70126](#)

**Cytogenetics:** 18 E3

**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 MG218712