

Product datasheet for **MC201411**

St8sia5 (NM_153124) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	St8sia5 (NM_153124) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	St8sia5
Synonyms:	Siat8e; ST8SiaV
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >BC034855 sequence for NM_153124
 GGGACACCGGCTCCCAGAAGCCGCAGCACGAGAGGGCAGGCCTGGGGCTCAGAGGATCTCCACGCGGCCG
 GCCCTGTCTTTTGTGCGCGCTCCGGGATTGCGCCCGCGGAACTTTGCCCGCCAAGTCTCTGCC
 TCTTGACCACGCAGTTCTCTAAGGGCCCCGGGGCCCCGCATAGCGCGCGTGATTGCTGCCCCGCCCC
 GCACAGTGCCTCCGCGCGCCGGCCAGGATGCGCTACGCAGACCCCTCCGCCAACAGAGATTTGTT
 GGGGAATCGAACTTTGCTCTTTATCTTCATCTGCGCCTTTGCCTTGGTGACCTTGCTTCAGCAGATCCTG
 TACAGCAAGAGCTACATCAAAGGTACTTCGAGTTTACAAGGAGCCTTTAGAGTTTAACTCCACGAGAT
 GCCTGGAGCTGAGGCAGGAGATCCTGGAGGTGAAGGTGCTGTCCATGGTGAAGCAGTCTGAACTCTCGA
 AAGGTGGAAGAGTCTCCAGATATGCAAATGGGCAATGGACACCGCGGAAGCCAGCCTCTTCAAGTCCACC
 TTGTCCAGGTGCTGCAATGCCCCAGCTTTCTCTTACCACCCAGAAGAACACCCCGGTGGAGACGAATC
 TCAGGTATGAGGTGGAATCCAGCGGCTTATACACATCGACCAGGAGATCTTCAAATGTTTCCAAAGGA
 AATGCCCTACTACCGCTCTCAGTTAAGAAGTGTGCTGTGGTGGCAATGGCGGCATCTTGAAGAACAGC
 GGCTGCGGAAGGAGATCAACAGTGTGACTTTGTCTTCCGGTGAACCTGCCCCCATCTCAGGGATAT
 ATACCACAGATGCGGGAGAGAAGACAGATGTAGTCACCGTGAATCCAGCATCATAATTGACAGGTTCCA
 CAAGTTGGAGAAGTGGCGCGGCCTTTCTCAGCGTGTGCGAGGTACGAGAACGCCTCAGTGCTGCTG
 CCAGCGTTCTACAACGTCGCAACACCCTGGTATCCTTCCGAGTCAAATACATGTGGACGACTTCCAGT
 CCGCGCAGCCGGTCTACTTCTTCCACCCGAGTACCTGAGCAGTGTGTCGCGCTACTGGCTCAGCCTGGG
 TGTGCGCGCGCGGCTATCAGCACCGGCCTCATCTGGTCAACCGCGCCCTGGAGCTCTGCGAGGAGGTG
 CACCTGTTTCGGTTTCTGGGCCTTCCCATGAACCCCTCCGGCTTCTTCATCACGCACCACTACTATGACA
 ACGTCAAGCCCAAGCCGGTTTCCATGCTATGCCCTCGGAGATCTTACCTTCTGCGCATGCACAGCCG
 CGGCATCTTTCGCGTGCACACAGGCACCTGCAATTGCTGCTGAAAACAGGCCTGCCATGGGTGTCTCGA
 CTCCTGCTTTTCCCTGAAGGATTCCTTGACCTTGCCATTATGGCTGCTGCTACTCCCTAAGGATTTAG
 GGTTGTCTTTGGTCTTGGGGAGGGAGACAGGAAACATTCATTTAACAGGATAGAGCACAGATCCAGG
 TCTCACTCAGACCTTGGCTGCCAAGTTTACATGGGAAACTCAGCCATGAAGCACCATCTAGAATCT
 CACAACCTCAGAGACCATCCCTTCCAGGGACAGTGTGAGTGTCTGGTACACACCCTGGCTGAGCTCAA
 AAGACTTCAGGGATATCTAATCAAACCCCGTGTAGCATATCCCAAGAGTCCAGGAGCTGAGAGCCA
 TGCCCTTAAACAGCTCTTGGACACACAGCCTTGGTGCCTTAGGTTCCAGCCTGCATTTAACCTTT
 GACAACAAGGAAATAAACAGACCAGCCATTTGCACTAAAAAAAAAAAAAAAAAAAAAAAAAAAA

Restriction Sites: EcoRI-NotI

ACCN: NM_153124

Insert Size: 1131 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

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: [BC034855](#), [AAH34855](#)

RefSeq Size: 1881 bp

RefSeq ORF: 1131 bp

Locus ID: 225742

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]
Transcript Variant: This variant (2) lacks an alternate in-frame exon compared to variant 1. The resulting isoform (middle) has the same N- and C-termini but is shorter compared to isoform long.