

Product datasheet for **MC204123**

St8sia1 (NM_011374) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	St8sia1 (NM_011374) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	St8sia1
Synonyms:	9330109E03Rik; GD3S; Sia-T; Siat8; Siat8a
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >BC024821
 CACCAATCCCGGGGCGCGTGTCTGCGGAGTCCAGGGCGCAGCAGAAGGCTGCGGGCACCCTGAATGAA
 CTGATGAGAGAGAGTTCTAGGTTTGCCCGTGAGGGGCGCGGAGTGAGGGTCTGGCGGGCGGGCCGAGG
 CGCCGGGGGTGGGTAGCGGTCCCGGGCCATCGTGAAATTTCCAAGGACTTGGTGTGGCGGGAGAGCG
 CATCTGGGGGTGCCGGGACCCGCGGGCGCAGGAGGCGGGAAAGGGCGGTGCAGGGCGCAGGAGCAT
 CTCTTTCTGGAAGGGACACAACCCATCAGACGTCCGGGAGCCAGCCGCGCCTCTCCAGGACCCAGCCG
 AGGGCGACGGTGATGCTGCAGTAAGGGCGGGAGCCACCGGGCCCACTGCTCTTAGACTCCTTCATCGCCC
 GCTGCCTGCAGGAAAGAGACTAAGGCTTGTGATTTGCCCGGAGGCCACTTCCTTTAGCAAGACATCCCA
 GTAAAAGTTGCATTGGCGAAGATCCTTGTAGTGACCTCTGGGGCCGTGGCGTGGGGTTCCCCAGCCGT
 GCGTTTGCAGAGTGAAAAGCCAAAGGTGTGTGCATGGGGGGCCGGCCACTGGAGCATCCTTACTGCC
 ACTTTGTCCAGCGTTGTGCTGAGGGTACTGACCCTGGGACATCGAGGCTGCGATGAGCCCTGCGGGC
 GGGCCCTACATACGTCCAGAGGGGCCATGGCCATGCTAGCTCGGAAATCCCGCGTACCCGGCTACCCGT
 AGGAGCCAGTGCCCTCTGTGTGGTGGTCTCTGTTGGCTACATCTTCCCTGTCTACCGGTGCCAAC
 GAGAAGGAGATTGTCAAGGGGTGCTGGCACAGCGGACGGCTTGGAGGACGAACCAGACGTGAGCCAGTC
 TCTTCAGGAGACAAATGGAAGACTGCTGTGACCCTGCCATCTCTTTGCTATGACTAAGATGAACCCCC
 CATGGGGAAGAGCCTGTGGTACGATGGGAGCTTATACTCGTTACCATCGATAATTCCACGTACTCC
 CTCTTCCCCCAGGCAACCCCTTCCAGTGCCATTGAAGAAATGTGCGGTGGTGGAAACCGTGGGATTC
 TGAAGATGAGTGGCTGTGGCCGTCAAATAGATGAAGCAAATTTTGTATGCGGTGCAACCTGCCTCCCTT
 GTCAAGTGAGTACACCAGAGATGTCGGTTCCAAAACCTAGTTGGTGACAGCTAACCCAGCATAATTGCG
 CAGAGATTTGAAAACCTGCTGTGGTCCAGAAAGAGTTTGTGGACAACATGAAGATCTATAACCACAGTT
 ACATCTACATGCCTGCCTTTTCTATGAAGACAGGCACAGAGCCGTCTCTCCGTGTGATTACACACTGAA
 AGATGTTGGAGCCAATCAAACAGTGCTTTTTGCTAACCCTAATTTCTTCGGAACATTGAAAAGTTCTGG
 AAGATAGGGGGATCCACGCCAAGCGCTTGTCTACAGGACTCTTTTTGGTGTGAGTGCAGCCTTGGCCCTCT
 GTGAGGAGGTGTCCATCTATGGCTTCTGGCCCTTCTCGGTGAACATGCAAGGGGACCCTATCAGTACCA
 CTAATATGACAACGTCTTGCCTTCTCAGGCTACCATGCCATGCCATGAGGAATTCCTTACGCTTTGGTAT
 CTTACAAAATCGGCGCGCTGAGGATGCAGCTGGACCCGTGTGAGGAGCCGTACCACAGCCACTTCTCT
 AGGGACTGCAGAAGAAGAAAGGACGGGATGGGGGATATTTTGTAGGTTTTTTTTTTTAAATGTGACT
 TCTAAAAGAAGTCCAAAGTGTGTATGGATTGGCATGATAGGAAACAAACAAACCTAAGCAAAGTGTG
 CTTTTGATGTTGGCTTGGAGAACAACAAGAAATAAAGTGTCCCGGGAATGTTTTATAGTGTGTTGGAT
 TTGCAAGCGGGACAACCCCAAGGAGACGATGATGGCAGAGCACATGTCTGTGATTCAAATCAAGAAGATG
 TGATTCGAGGACCAGATGAACCTTGTGTTGCTGAGGCCAGGGGCCATCATGGCAGCCTGTGGGAGATGC
 TGGGATATTGCTGACTGTCAATATACACTGGCATTATAATCATTTTAAAGATCCGTCTTATTGAGACTGG
 CATTAGAACTATAGGTTTAAAAAAATTATTGTTGATTTTTGCCCTGTTACAGGGCTATGGTGGGTAATG
 GTATAGACTTACAAAACCTTCTGCTGATTATTGTGATTTGTTAAAAACAAGTCTTTGATGACTATAGTC
 CCCTCCACTAGTACGGTTTTAAATAAGAATCACTTCTTACCTCAAAAAAAAAAAAAAAAAAAAAAAAAAAAA A

- Restriction Sites:** RsrII-NotI
- ACCN:** NM_011374
- Insert Size:** 1068 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: [BC024821](#), [AAH24821](#)

RefSeq Size: 2381 bp

RefSeq ORF: 1068 bp

Locus ID: 20449

UniProt ID: [Q64687](#)

Cytogenetics: 6 74.78 cM

Gene Summary: Involved in the production of gangliosides GD3 and GT3 from GM3; gangliosides are a subfamily of complex glycosphingolipids that contain one or more residues of sialic acid. [UniProtKB/Swiss-Prot Function]