

Product datasheet for **RN212164**

St8sia4 (NM_053914) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	St8sia4 (NM_053914) Rat Untagged Clone
Tag:	Tag Free
Symbol:	St8sia4
Synonyms:	Siat8d
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN212164 representing NM_053914
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCACAAGGTGTACATTTGAAAAGAAACCCGAGCCCCAGGGAGCGGCACAGAGCGACCCAGCCCGG
 CTAGCGCAAACCTGCGCGGCAGGGCGCTGGGCAGCGCTGGAGAACCAGGAGAGCTCCACCGCTGAAGTCC
 TAGCGACCTGATTCTGGGATCTCGGCTCCACGCTCCCTTCGCAAATTTTCAGATTTCTCCCCCTTGATTAT
 TTCCCAAACCGAGCCTTTATACCAGGAGAAGGTGCCTGAGCTGGGACAACTGGACTTTCCCGGCAC
 CCAAGATGCGCTCATTAGAAAACGGTGGACCCTGCACTATAAGTCTACTCCTGATCTTTATAAGAC
 AAAAGAAATAGCCAGGACTGAGGAGCACAAGAGACGCAACTCATCGGAGATGGTGAATTATGCTTGAGC
 AGATCACTGTCAACAACCTGTAAAACTACTCGGAAGGCTGGTCCACCATCTCCAACATCCGTAC
 AAGGCTGAAAAATCAATCTCTTTAGTCTGGAGATAAGGAAGAATATTCTCCGTTTCTAGACGCAGA
 ACGTGACGTGTCGGTGGTCAAGAGCAGTTCAAGCCTGGTGTGCATACACTATGTGCTGGACAGACGC
 CGGACACTAAATATTTCCACGATCTGCATAGCCTCCTGCCTGAAGTTTCAACAATGAAAAACCGCAGGT
 TTAAGACCTGTGCTGTTGTTGAAAATCCGGCATTCTACTAGACAGTGGATGTGGAAGGAGATCGACAG
 CCAACAATTTGTCATAAGGTGTAATCTAGCTCCCGTGGTGGAGTTCGCTGCGGATGTGGGGACTAAGTCA
 GATTTTCATTACCATGAATCCATCAGTTGTGCAAAGAGCATTCCGGAGGCTTTCCGGAATGAGAGTGACAGAG
 AAAAATTTGTGCACAGACTCTCCATGCTGAATGACAGCGTCCCTTTGGATTCTGCCTTATGGTCAAAGG
 AGGAGAGAAGCACGTGGAATGGGTTAATGCATTAATCCTTAAGAATAAAGTGAAGTGAAGTGGACTGCCTAT
 CCATCACTGAGACTCATTATGCGGTGAGAGTTACTGGCTGACCAACAAAGTTCCTATCAAAGACCCA
 GCACTGGTCTCCTCATGTACACCCTGCCACCAGATTCTGTGACGAAATTCACCTGTATGGATTCTGGCC
 ATTTCTAAGGATCTGAACGGAAAAGCTGTCAAATATCATTACTATGATGACTTGAATATAGATACTTT
 TCCAACGCAAGTCTCACAGAATGCCACTGGAATTCAAAACATTGAATGTGCTGCACAATAGAGGAGCTC
 TAAAACCTGACCACAGGGAAGTGCATGAAGCAAT**AA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_053914
- Insert Size:** 1365 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: [NM_053914.1](#), [NP_446366.1](#)
RefSeq Size: 1365 bp
RefSeq ORF: 1365 bp
Locus ID: 116696
Cytogenetics: 9q36
Gene Summary: enzyme involved in polysialylation of N-CAM [RGD, Feb 2006]