

Product datasheet for **RR212164**

St8sia4 (NM_053914) Rat Tagged ORF Clone

Product data:

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



[View online »](#)

ORF Nucleotide Sequence:

>RR212164 representing NM_053914
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGCACAAGGTGTACATTTGAAAAAGAACCCGAGCCCCAGGAGCGGCACAGAGCGACCCAGCCCGG
 CTAGCGCAAACCTGCGCGCAGGGCGCTGGGCAGCGCTGGAGAACCAGGAGAGCTCCACCGCTGAAGGTCC
 TAGCGACCTGATTCTGGGATCTCGGCTCCACGCTCCCTTCGCAAATTTTCAGATTTCTCCCCCTTGATTAT
 TTCCCAAAAACGGAGCCTTTATACCAGGAGAAGGTGCCTGAGCTGGGACAACTGGACTTTCCCGGCAC
 CCAAGATGCGCTCATTAGAAAACGGTGGACCCTGCACTATAAGTCTACTCCTGATCTTTATAAGAC
 AAAAGAAATAGCCAGGACTGAGGAGCACAAGAGACGCAACTCATCGGAGATGGTGAATTATGCTTGAGC
 AGATCACTTGCAACAACCTGATAAAATCACTCGGAAGGCTGGTCCACCCTTCCAACATTCGGTAC
 AAGGCTGAAAAATCAATTCTTCTTTAGTCTGGAGATAAGGAAGAATATTCTCCGTTTCTAGACGCAGA
 ACGTGACGTGTCGGTGGTCAAGAGCAGTTTCAAGCCTGGTGTGCATACACTATGTGCTGGACAGACGC
 CGGACACTAAATATTTCCACGATCTGCATAGCCTCCTGCCTGAAGTTTCAACAATGAAAAACCGCAGGT
 TTAAGACCTGTGCTGTTGTTGGAATTCGGCATTCTACTAGACAGTGGATGTGGAAGGAGATCCGACG
 CCAACAATTTGTCATAAGGTGTAATCTAGCTCCCGTGGTGGAGTTCGCTGCGGATGTGGGGACTAAGTCA
 GATTTTCATTACCATGAATCCATCAGTTGTGCAAAGAGCATTCCGAGGCTTTCCGGAATGAGAGTGACAGAG
 AAAAAATTTGTGCACAGACTCTCCATGCTGAATGACAGCGTCCCTTTGGATTCTGCCTTCATGGTCAAAGG
 AGGAGAGAAGCAGTGAATGGGTTAATGCATTAATCCTTAAGAATAAAGTAAAGTGAAGTGAAGTGCCTAT
 CCATCACTGAGACTCATTATGCGGTGAGAGTTACTGGCTGACCAACAAAGTTCCTATCAAAAGACCCA
 GCCTGGTCTCCTCATGTACACCCTTGCACAGATTCTGTGACGAAATTCACCTGTATGGATTCTGGCC
 ATTTCTAAGGATCTGAACGGAAAAAGCTGCAAAATATCATTACTATGATGACTTGAATATAGATACTTT
 TCCAACGCAAGTCTCACAGAATGCCACTGGAATTCAAAACATTGAATGTGCTGCACAATAGAGGAGCTC
 TAAAACGACCACAGGAAGTGCATGAAGCAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR212164 representing NM_053914
 Red=Cloning site Green=Tags(s)

MHKVSHLKRNPSPREAAQSDPSPASANCAAGRWAALENRESSTAERPSDLILGSRLHAPFANFRFLPLDY
 FPKTEPLYQEKPELQPLSRAPKMRSIRKRWTICTISLLLIFYKKEIARTEEHQETQLIGDGELCLS
 RSLVNSDKITRKAGSTIFQHSVQGWKINSSLVLEIRKNILRFLDAERDVSVVKSSFKPGDVIHYVLDLDR
 RTLNISHDLHSLLEPVSMPKNRRFKTCVVGNISGILLDSGCGKEIDSHNFVIRCNLAPVVEFAADVGTKS
 DFITMNPVSVVQRAFGFRNESDREKVVHRLSMLNDSVLWIPAFMVKGGEKHVEVWVNALILKNLKVRTAY
 PSLRLIHAVRGYWLTKVPIKRPSTGLLMTLATRFCDIEHLYGFWPFKDLNGKAVKYHYDDLKRYRYF
 SNASPHRMPLEFKTLNVLHNRGALKLTTGKCMKQ

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

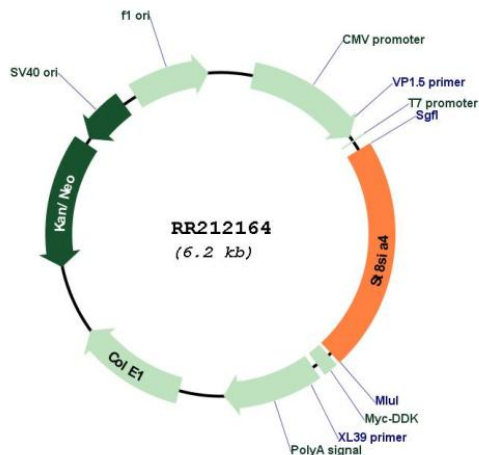
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_053914

ORF Size: 1362 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_053914.1](#), [NP_446366.1](#)

RefSeq Size: 1365 bp

RefSeq ORF: 1365 bp

Locus ID: 116696

Cytogenetics: 9q36

MW: 51.8 kDa

Gene Summary: enzyme involved in polysialylation of N-CAM [RGD, Feb 2006]