

Product datasheet for RR202023

St8sia2 (NM_057156) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	St8sia2 (NM_057156) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	St8sia2
Synonyms:	Siat8b
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RR202023 representing NM_057156 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGCAGCTGCAGTTCGGAGCTGGATGCTGGCCGCGCTCAGCTGCTCGTGGTCTTCTCATCTTCGCAG
ACATCTCAGAGATCGAAGAAGAAATCGGAATTCTGGAGGCAGAGGTACAATCAGATCAGCTGTGAACAG
CTTACATAGCAAATCTAATAGAGCTGAAGTTGTAATAAATGGCTTTCACTACCAGCCGTTGCTGACAGA
AGTAATGAAAGCCTTAAGCACAGCATCCAGCCAGCCTCATCCAAGTGGAGACACAACCAGACGCTCTCTC
TGAGGATCAGGAAGCAAATTTAAAGTTCTGGATGCAGAGAAGGATATTTCTGTCTTAAGGGGACCCT
GAAGCCTGGAGACATTATTCATTATATCTTTGATCGAGACAGCACAATGAACGTGTCCCAGAACCTCTAT
GAACTCTCCCCAGAACCTCACCTCTGAAGAATAAGCATTTCCAGACTTGTGCCATCGTGGGCAACTCAG
GAGTCTTGCTCAACAGCGGCTGTGGCAGGAGATTGACACACACAGCTTTGTGATAAGGTGCAACCTGGC
TCCAGTTCAGGAGTATGCCCGGGATGTGGGCCTCAAGACTGACCTAGTGACCATGAACCCCTCAGTCATC
CAGCGGGCCTTTGAGGACCTAGTGAATGCCACGTGGCGGGAGAAGCTACTGCAGCGACTGCATGGCCTCA
ATGGGAGCATACTGTGGATACCTGCCTTCATGGCCCGGGTGGCAAGGAGCGTGTGGAGTGGTCAATGC
TCTCATCCTGAAGCACCATGTCAACGTACGCACAGCTTACCCTTCCCTGCGCCTGCTGCACGCAGTCCGA
GGATATTGGCTGACCAACAAAGTCCACATCAAAAGACCAACCACTGGCCTCCTGATGTACACCCTGGCCA
CACGCTTCTGCAATCAGATCTACCTTTATGGCTTCTGGCCCTTCCATTGGATCAGAATCAGAACCCCGT
CAAGTACCACTATTATGACAGCCTCAAGTATGGCTACACCTCCCAGGCCAGCCCCACACCATGCCCTTG
GAATTCAGGGCCCTCAAGAGCCTACATGAACAGGGGCATTGAACTGACTGTGCGCCAGTGTGACGGGG
CTACGCTACG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR20223 representing NM_057156
 Red=Cloning site Green=Tags(s)

MQLQFRSWMLAALTLLVVFLIFADISEIEEEEIGNSGGRGTIRSAVNSLHSKSNRAEVIINGSSLPVADR
 SNESLKHSIQPASSKWRHNQTLRLRIRKQILKFLDAEKDISVLKGTLPKGDIIHYIFDRDSTMNVSQNLV
 ELLPRTSPLKNKHFTCAIVGNISVLLNSGCGQEQIDTHSFVIRCNLAPVQEQYARDVGLKTDLVTMNP
 SVIQRAFEDLVNATWREKLLQRLHGLNGSILWIPAFMARGGKERVEVNNALILKHHVNVRTAYPSLRLLH
 AVRGYWLTKNVHIKRPTTGLLMYTLATRFNCQIYLYGFWPFPLDQNPVKYHYDLSLKYGYTSQASPH
 TMLPEFKALKSLHEQGALKLTVGQCDGATL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

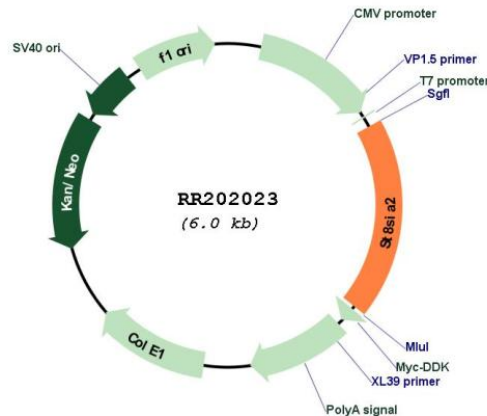
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN:

NM_057156

ORF Size:	1125 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:	<ol style="list-style-type: none">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_057156.1 , NP_476497.1
RefSeq Size:	1128 bp
RefSeq ORF:	1128 bp
Locus ID:	117523
UniProt ID:	Q07977
Cytogenetics:	1q31
MW:	42.4 kDa
Gene Summary:	human homolog catalyzes the polysialylation of the neural cell adhesion molecule NCAM and may play a role in neurogenesis [RGD, Feb 2006]