

Product datasheet for **RR200824**

St8sia3 (NM_013029) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	St8sia3 (NM_013029) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	St8sia3
Synonyms:	Siat8c
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RR200824 representing NM_013029 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAGAAATTGCAAATGGCCCGAGTCGCCAGTATACTAGGGCTGGTCATGCTCAGCGTGGCCCTGCTGA
TTTTATCGCTTATCAGCTACGTGTCCCTGAAAAAGGAGAACATCTTCACCACTCCCAAGTACGCCAGCCC
GGGGCGCCCCGAATGTACATGTTCCACGCGGGATTCCGGTCACAGTTTGCCTGAAGTTCTAGAACCG
TCAATTTGTGCCATTACGAATTTCTCACCCATGAACCTCAAGAGAAACCTTCTAAATGGACATTTAATC
GGACAGCGTTTTTACATCAAAGGCAAGAAATCTTCAGCATGTCGATGTAATAAAAAATTTTTCTTTAAC
CAAGAATAGTGTTCGGATCGGACAACCTGATACATTACGATTATTCAGCCATAAAATGTTTTCTCTATT
AGCAATAACTTCCGGTCCCTGCTCCAGATGTGTGCGCCATTCTGAATAAGCGTTATAACATTTGTGCTG
TGGTCGGAACAGTGGAATCTTGACAGGGAGTCAGTGTGACAAGAAATAGATAAATCGGATTTTGT
TCGGTGAATTTTGCCCCGACAGAGGCTTCCACAAAGATGTTGGAAGAAAACCAACCTCACAACCTTC
AATCCTAGCATCTTGAAAAATATTACAACAACCTTTAAACCACAGGACCGTAAACAACCTCTTCTCTCA
GTTTAAAAAAGCTCGACGGGCCATTCTCTGGATCCCCGATTTTCTTCCACACTTCTGGACTGTAAC
CAGAACCTTAGTGGATTTTTCTGTTGAGCACAGAGGTCAAGTTAAAGGTCCAGTTGGCTTGGCCTGGAAT
ATCATGCAACATGTCAACAGGACTGGA AAAACAACACTTGTCAACCAACGACTGAGCACAGGTTTCC
TAATGTACACCCTTGCATCTGCAATATGTGAAGAGATCCACTTGTACGGTTTCTGGCCTTTCGGATTTGA
CCCCAACACCAGGGAGGATCTGCCCTACCACTACTATGACAAAAAGGAACCAATTTACCACCAAGTGG
CAGGAGTCTCACCAGCTGCCTGCTGAGTTTCAGCTGCTCTATCGAATGCATGGGAAGGGCTCACAAAGC
TCACTCTGCACACTGTGCC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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 Red=Cloning site Green=Tags(s)

MRNCKMARVASILGLVMLSVALLILSLISYVSLKKNIFITPKYASPGAPRMYMFHAGFRSQFALKFLEP
 SFVPIITNFLTHELQEKPSKWTFNRTAFLHQEQEILQHVVDIKNFSLTKNSVRIGQLIHVDYSSHKYVFSI
 SNNFRSLLPDVSPILNKRYNICAVVGNISGILTGSQCGQEIDKSDVFVRCNFAPTEAFHKDVGKKTNLTTF
 NPSILEKYNNLLTIQDRNNFLLSLKLDGAILWIPAFFHTSATVTRTLVDFFVEHRGQLKVQLAWPGN
 IMQHVNRYYWKNKHLSPKRLSTGFLMYTLASAICEEIIHLYGFWPFDFPNTREDLPYHYDCKGKTFTTKW
 QESHQLPAEFQLLYRMHGEGLTKLTLSHCA

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

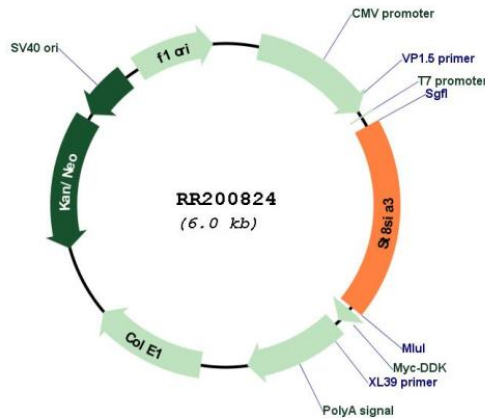
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN:

NM_013029

ORF Size:	1140 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_013029.1 , NP_037161.1
RefSeq Size:	1426 bp
RefSeq ORF:	1143 bp
Locus ID:	25547
Cytogenetics:	18q12.1
MW:	44 kDa
Gene Summary:	alpha2-8 sialyltransferase, a key enzyme for the synthesis of c-series gangliosides [RGD, Feb 2006]