

Product datasheet for RN213865

St8sia1 (NM_012813) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: St8sia1 (NM_012813) Rat Untagged Clone
Tag: Tag Free
Symbol: St8sia1
Synonyms: Siat8; Siat8a
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >RN213865 representing NM_012813
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGAGCCCCTGCGGGCGGGCCCTACATACATCCAGAGGGGCCATGGCCATGCTGGCGGGAATTCCTCGC
 GTACCCGGCTACCGTGGGAGCCAGTCCCTCTGTGTGGTGGTCTCTGTTGGCTCTATGTCTTCCCTGT
 CTACCGGCTGCCAACGAGAAGGAGATCGTGCAAGGAGTCTGGCGCAGCGCACAGCTTGGAGGAGGAAC
 CAGACGTCAGCCAGGCTCTTCAGGAAACAAATGGAAGACTGCTGCAACCCCGCCCATCTCTTTGCAATGA
 CGAAGGTGAACCTCCCCATGGGGAAGAGCCTGTGGTATGACGGGGAGTTTCTATACTCGCTCACCATCGA
 CAACTCCACGTAATCCCTCTTCCCCAGGCAACCCCTTCCAGCTGCCATTGAAGAAATGTGCGGTGGT
 GGAAACGGTGGGATTCTGAAGATGAGTGGCTGTGGCCGTCAAATAGATGAAGCAAATTTTGTGATGCGGT
 GTAACCTTCCCTTGTCAAGTGAATACACCAGAGATGTGGTTCAGAAAGAAATTTGTGGACAACATGAAG
 CCCCAGCATAATTCGCCAGAGATTTGAAAACCTGCTGTGGTCCAGAAAGAAGTTTGTGGACAACATGAAG
 ATCTATAACCACAGTTACATATACATGCCTGCTTTTCTATGAAGACGGGAACAGAGCCGCTCTCCGCTG
 TGTACTACACCCTGAAAGACGCTGGAGCCAATCAAACAGTCTTTTGGTAAACCCCACTTTCTTCGAAA
 CATTGAAAAGTTCTGGAAGGGTAGGGGATCCATGCCAAGCGCCTGTCTACAGGACTCTTTTGGTGAGT
 GCAGCCTTGGGCTTTGTGAGGAGGTGTCCATCTACGGCTTCTGGCCCTTCTCCGTGAACATGCAAGGGG
 AACCTATCAGCCACCATTACTATGACAACGCTTGGCCCTTCTCAGGCTTCCATGCCATGCCTGAGGAGTT
 TCTTCAACTCTGGTATCTTCATAAAATGGGTGCACTGAGGATGCAACTGGACCCATGTGAGGAGCCGTCG
 CCGCCACAGCCCACTTCC TAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_012813



Insert Size:	1071 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:	<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:	<u>NM_012813.2, NP_036945.2</u>
RefSeq Size:	1472 bp
RefSeq ORF:	1071 bp
Locus ID:	25280
Cytogenetics:	4q44
Gene Summary:	an alpha-2,8-sialyltransferase that catalyzes the biosynthesis of GT1a and GQ1b as well as GD3 [RGD, Feb 2006]