

## Product datasheet for **RR213865**

### St8sia1 (NM\_012813) Rat Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	St8sia1 (NM_012813) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	St8sia1
Synonyms:	Siat8; Siat8a
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RR213865 representing NM_012813 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGAGCCCCTGCGGGCGGGCCCTACATACATCCAGAGGGGCCATGGCCATGCTGGCGGGAATTCCTCGC  
GTACCCGGCTACCCGTGGGAGCCAGTGCCTCTGTGTGGTGGTCTCTGTTGGCTCTATGTCTTCCCTGT  
CTACCCGGCTGCCAACGAGAAGGAGATCGTGCAAGGAGTCTGGCGCAGCGCACAGCTTGGAGGAGGAAC  
CAGACGTCAGCCAGGCTCTT CAGGAAACAAATGGAAGACTGCTGCAACCCCGCCCATCTCTTTGCAATGA  
CGAAGGTGAACCTCCCCATGGGGAAGAGCCTGTGGTATGACGGGGAGTTTCTATACTCGCTCACCATCGA  
CAACTCCACGTA CTCCCTTCCCCAGGCAACCCCTTCCAGCTGCCATTGAAGAAATGTGCGGTGGT  
GGAAACGGTGGGATTCTGAAGATGAGTGGCTGTGGCCGTCAAATAGATGAAGCAAATTTTGTGATGCGGT  
GTAACCTTCCCTTGTCAAGTGAATACACCAGAGATGTGGGTCCAAGACTCAGTTGGTGACAGCTAA  
CCCCAGCATAATTCGCCAGAGATTTGAAAACCTGCTGTGGTCCAGAAAGAAGTTTGTGGACAACATGAAG  
ATCTATAACCACAGTTACATATACATGCCTTCTTTCTATGAAGACGGGAACAGAGCCGCTCTCCGTG  
TGTAACACCCCTGAAAGACGCTGGAGCCAATCAAACAGTCTTTTGGTAACCCCACTTTCTTCGAAA  
CATTGAAAAGTTCTGGAAGGGTAGGGGATCCATGCCAAGCCGCTGTCTACAGGACTCTTTTGGTGAGT  
GCAGCCTTGGGCTTTGTGAGGAGGTGTCCATCTACGGCTTCTGGCCCTTCTCCGTGAACATGCAAGGGG  
AACCTATCAGCCACCATTACTATGACAACGCTTGGCCCTTCTCAGGCTTCCATGCCATGCCTGAGGAGTT  
TCTTCAACTCTGGTATCTTCATAAAATGGGTGCACTGAGGATGCAACTGGACCCATGTGAGGAGCCGTCG  
CCGCCACAGCCCACTTCC

**ACGCGT**ACGCGGCGGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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<b>ORF Size:</b>	1068 bp
<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_012813.2</a> , <a href="#">NP_036945.2</a>
<b>RefSeq Size:</b>	1472 bp
<b>RefSeq ORF:</b>	1071 bp
<b>Locus ID:</b>	25280
<b>Cytogenetics:</b>	4q44
<b>MW:</b>	40.4 kDa
<b>Gene Summary:</b>	an alpha-2,8-sialyltransferase that catalyzes the biosynthesis of GT1a and GQ1b as well as GD3 [RGD, Feb 2006]