

## Product datasheet for **RR203479**

### St3gal4 (NM\_203337) Rat Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	St3gal4 (NM_203337) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	St3gal4
Synonyms:	siat4c
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RR203479 representing NM_203337 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**GCGATCGCC**

ATGACCAGCAAATCTCACTGGAAGCTCCTGGCCTTGGCTCTGGTCCTTGTGTTGTCATGGTGTGGTATT  
CCATCTCCCGAGAAGACAGGTACATTGAGTTCTTTTATTTTCCCCTCCGAGAAGAAAGAGCCATGCTT  
CCAGGGTGAGGCAGAGAGGCAGGCTCTAAAATTTTCGGCAACCATTCTAGGGAACAGCCATCTTTCTG  
CAGCTTAAGGATTATTTCTGGGTAAGACACCATCCGCCATGAGTTGCCCTTTGGGACTAAAGGAAGTG  
AAGATCTTCTTCCGGGTGTTGGCCATCACCAGCTACTCTATACCCGAGAGCATACAGAGCCTCGAGTG  
TCGTCGGTGTGTTGTGGTGGGAATGGGCACCGGTTAAAGAACAGCTCACTGGGAGGTGTTATCAACAAG  
TACGATGTGGTCATCAGATTAACAATGCTCCTGTAGCCGGTTATGAGGGAGACGTGGGCTCCAAGACCA  
CCATACGTCTTCTATCCTGAGTCGGCCCACTTCGACCCTAAGATAGAAAACAACCCAGACACGCTCTT  
GGTCTGGTAGCTTTCAAGGCGATGGACTTCCACTGGATTGAGACCATCTTGAGCGATAAGAAGCGGGTG  
CGAAAAGGTTTCTGGAAGCAGCCTCCCTCATCTGGGATGTCAACCCAAACAGATCCGGATTCTAAACC  
CCTTCTTTATGGAGATTGCCGCGGACAAGCTCCTGAGCCTGCCATACAACAGCCTCGAAAGATCAAGCA  
GAAGCCAACACGGGTCTGCTAGCCATCACCTTGGCCCTACACCTCTGCGACTTGGTGCACATCGCCGGC  
TTCGGCTATCCAGATGCCTACAACAAGAAGCAGACCATCCACTACTATGAACAGATCACACTCAAGTCTA  
TGGCGGGCTCAGGCCACAATGTCTCCAAGAGGCTGTAGCCATCAAGCGGATGCTAGAGATGGGAGCTGT  
CAAGAACCTCACATACTTC

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >RR203479 representing NM\_203337  
Red=Cloning site Green=Tags(s)

MTSKSHWKLALALVLVVVMWYISREDRYIEFFYPVSEKKEPCFQGEAERQASKIFGNHSREQPIFL  
 QLKDYFWVKTPSAYELPFGTKGSEDLRLVLAITSYIPESIQSLECRRCVVVGNHRLKNSSLGGVINK  
 YDVVIRLNNAPVAGYEGDVGSKTTIRLFYPESAHFDPKIENNPDTLLVLVAFKAMDFHWIETILSDKKRV  
 RKGFWKQPPLIWDVNPQIRILNPFMEIAADKLLSLPIQQPRKIKQKPTTGLLAILLALHLCDLVHIAG  
 FGYPDAYNKKQTIHYEQITLKS MAGSGHNVSQEAVAIAKRMLEMGAVKNLTYF

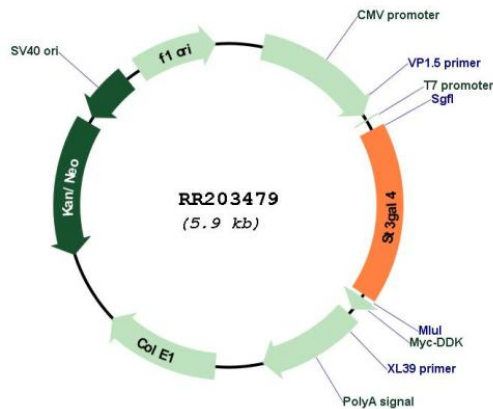
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_203337

**ORF Size:** 999 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_203337.2</a> , <a href="#">NP_976082.1</a>
<b>RefSeq Size:</b>	2093 bp
<b>RefSeq ORF:</b>	1002 bp
<b>Locus ID:</b>	363040
<b>UniProt ID:</b>	<a href="#">P61131</a>
<b>Cytogenetics:</b>	8q21
<b>MW:</b>	38 kDa
<b>Gene Summary:</b>	plasma membrane-specific alpha 2,3- sialic acid transporter; may be important for protein amino acid glycosylation [RGD, Feb 2006]