

Product datasheet for **RR206733**

St3gal1 (NM_001013219) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
 Product Name: St3gal1 (NM_001013219) Rat Tagged ORF Clone
 Tag: Myc-DDK
 Symbol: St3gal1
 Synonyms: Siat4a
 Vector: pCMV6-Entry (PS100001)
 E. coli Selection: Kanamycin (25 ug/mL)
 Cell Selection: Neomycin
 ORF Nucleotide Sequence: >RR206733 representing NM_001013219
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGTGAACATGAGGAAGAGGACCCTCAAGTACCTCACCTTCTTCTGCTTTCATCTTCTCACTTCTCT
 TTGCTGAACTACTCCAACCTCGGGAGTGCCAGTGCCTGGTCCCAAGCAGATGGTCTGGAGTTCTC
 AGAGAACTTCCGCAAGTTTATCAAGTACAGCCGTGCACCTGCAGACACTGCATCAGCCAGGGCAAAGTA
 TCATATTGGTTCGACCAGCGCTTCAACAAGACTATGCAGCCCCTGCTGACAGTCCACAACGCTCTGATGG
 AGGAGGACACATACCGGTGGTGGCTGAGGCTCCAGCGGGAGAGGAAACCAATAACCTGAGCGACACCGT
 CAAGGAACTGTTTCGCCTGGTACCTGGGAATGTGGACCCCATGTTGAACAAGAGGTTGGTGGGTTGCCGA
 CGCTGTGCAGTTGTTGAAACTCTGTAACCTGAAAGACTCCTCGTATGGGCCTGAGATCGACAGCCATG
 ACTTTGTGCTGAGGATGAACAGGGCACCCACAGTGGGCTTTGAGGCAGATGTTGGGAGCAGGACCACCCA
 CCATCTTGTGATCCTGAGAGCTTCCGGGAGCTGGGAGAGAATGTCAACATGGTCTGGTCCCCTTCAAG
 ATCACCGACCTGCAATGGGTGATCAGTGCCACCACCACAGGCACCATCACTCACACCTACGTCCTGTGC
 CCCCGAAGATCAAAGTAAACAAGAGAAGATCCTGATCTACCACCAGCCTTTCATCAAGTATGCTTTTGA
 CAACTGGCTTCAGGGCCACGGGCGGTATCCATCGACCGGATCCTCTCGGTCATCTTCTCCATTATATC
 TGTGATGAGGTGGACTTATATGGCTTTGGGGCAGACAGCAAAGGAAATTGGCACCATTACTGGGAGAACA
 ACCCATCAGCAGGTGCATTCCGAAAGACGGGGTTCATGATGGCGACTTCGAGTACAATGTCACAACCTAC
 CCTGGCAGCCATCAACAAAATCCGCATCTTCAAGGGGAGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR206733 representing NM_001013219
 Red=Cloning site Green=Tags(s)

MVNMKRKTLKYLTFLLFIFLTSFVLNYSNSGVPASWFPKQMVLEFSENRKFKIKSQPCTCRHCISQGKV
 SYWFDQRFNKTMQPLLTVHNALMEEDTYRWWLRLQREKPNLSDTVKELFRLVPGNVDPMLNKRVLGCR
 RCAVVGNSGNLKDSSYGPEIDSHDFVLRMNRAPTVGFADVGSRTTHHLVYPESFRELGENVMVLVPFK
 ITDLQWVISATTTGTITHTYVPPKIKVKQEKILYHPAFIKYVFDNWLQGHGRYPSTGILSVIFSIHI
 CDEVDLYGFADSKGNWHHYWENNP SAGAFRKTGVHDGDFEYNVTTTLAINKIRIFKGR

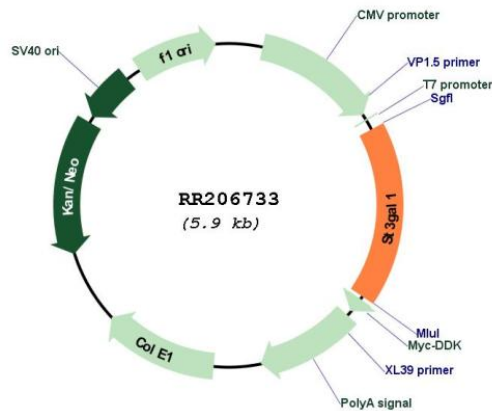
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001013219

ORF Size: 1020 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_001013219.1 , NP_001013237.1
RefSeq Size:	1023 bp
RefSeq ORF:	1023 bp
Locus ID:	362924
Cytogenetics:	7q34
MW:	39.3 kDa