

Product datasheet for **RR204622**

St3gal3 (NM_031697) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	St3gal3 (NM_031697) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	St3gal3
Synonyms:	Siat6
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RR204622 representing NM_031697 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGC**C

ATGGGACTCTTGGTATTTGTACGCAACCTGCTGCTAGCCCTCTGCCTCTTCTGGTCCTGGGATTTTTGT
ATTATTCTGCCTGGAAGCTACACTTACTCCAATGGGAAGACTCCAATTCCTGATTCTTTCCCTTGACTC
CGCTGGACAAACCTAGGCACAGAGATGATAGGCTGGGTTTCCCTCCTGAAGCTGGACTTAAACTGCCT
GCAGAGCTGGCCACCAAGTACGCTAACTTTCCGAGGGAGCCTGCAAACCCGGCTACGCTTCAGCCATGA
TGACTGCCATCTTCCCCAGTTCTCCAAGCCAGCACCCATGTTCTCGGATGACTCCTTTCGCAAATGGGC
TAGGATTCCGGGAGTTTGTGCCACCCTTTGGGATCAAAGGTCAAGACAATCTGATCAAAGCCATCTTGCA
GTCACCAAAGAAATACCGCCTGACCCCTGCCTTGGACAGCCTCCACTGCCGCCGCTGCATCATCGTAGGCA
ATGGAGGGGTCTCGCCAACAAGTCTCTGGGGTACGAATTGACGACTATGACATTGTGATCAGATTGAA
CTCAGCACCTGTGAAGGGCTTTGAGAAGGACGTGGGCAGCAAGACCACCCTGCGCATCACCTACCCTGAA
GGTGCCATGCAGCGCCTGAGCAATATGAACGAGACTCTCTTTGTACTAGCTGGCTTCAAGTGGCAGG
ACTTCAAGTGGCTGAAGTACATCGTCTACAAGGAGAGAGTGAGCGCATCCGATGGCTTTCGGAAGTCCGT
GGCCACCCGAGTGCCCAAGGAGCCCCCTGAGATCCGCATCCTCAACCCGTAATCCAGGAGGCTGCC
TTCACGCTCATCGGACTGCCCTTCAACAATGGCCTCATGGGCAGAGGGAACATCCCAACCCTTGGCAGTG
TGGCAGTGACCATGGCACTCGATGGCTGTGATGAAGTGGCAGTCGCGGGCTTTGGCTATGACATGAACAC
ACCCAACGCCCCCTGCACTACTATGAAACTGTGCGCATGGCAGCCATCAAAGAGTCTGGACACACAAC
ATCCAGCGAGAGAAAGAGTTTCTGCGGAAGCTAGTGAAAGCACGCGTCATCACTGACTTAAAGCAGTGGA
TC

AG**GCGACCG**ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
TGGATTACAAGGATGACGACGATAAGGTTTAA



[View online »](#)

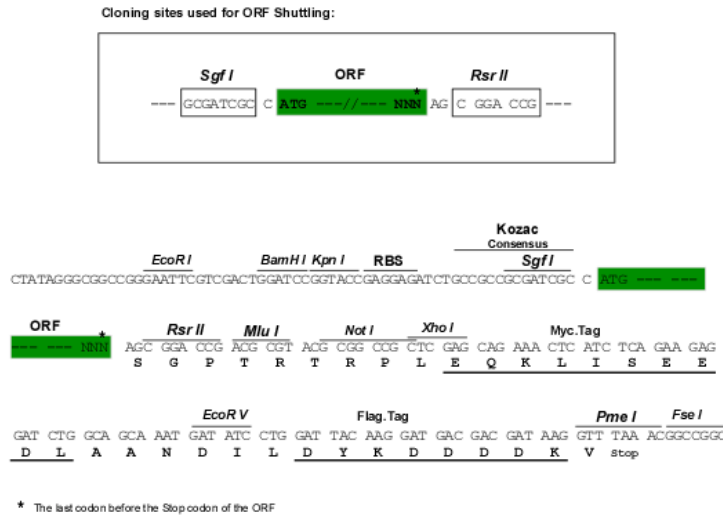
Protein Sequence: >RR204622 representing NM_031697
 Red=Cloning site Green=Tags(s)

MGLLVFVRNLLLALCLFLVLGFLYSAWKLHLLQWEDSNLILSLDSAGQTLGTEYDRLGFLKLDKSLP
 AELATKYANFSEGACKPGYASAMMTAIFPRFSKPAPMFLDSSFRKWARIREFVPPFGIKGQDNLKAILS
 VTKEYRLTPALDSLHCRRCIIVGNGGLANKSLGSRIDDYDIVIRLNSAPVKGFEDVGSKTTLRITYPE
 GAMQRPEQYERDSLFLVLAGFKWQDFKWLKYIVYKERVASDGFWKS VATRVPKEPPEIRILNPFYIQEAA
 FTLIGLPFNGLMGRGNIPTLGSVAVTMALDGCDEVAVAGFGYDMNTPNAPLHYETVRMAAIKESWTHN
 IQREKEFLRKLVKARVITDLSSGI

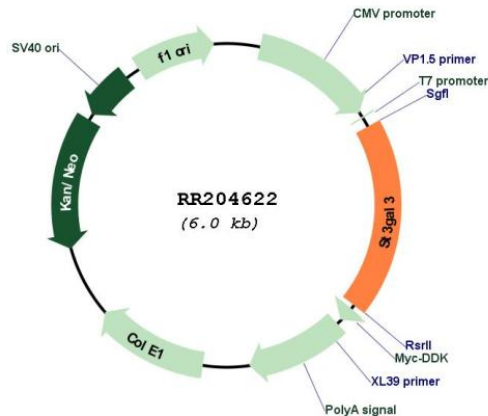
SGP TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-RsrII

Cloning Scheme:



Plasmid Map:



ACCN: NM_031697

ORF Size:	1122 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_031697.1 , NP_113885.1
RefSeq Size:	1207 bp
RefSeq ORF:	1125 bp
Locus ID:	64445
UniProt ID:	Q02734
Cytogenetics:	5q36
MW:	42.1 kDa
Gene Summary:	plays a role in the formation of terminal carbohydrate groups of glycolipids and glycoproteins [RGD, Feb 2006]