

Product datasheet for **RR203208**

St6galnac3 (NM_019123) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	St6galnac3 (NM_019123) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	St6galnac3
Synonyms:	Siat7c
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RR203208 representing NM_019123 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGGCCTGCATCCTCAAGAGGAAGCCTGCGCTTGGGTGAGCTTCATAGCCCTGTGCATCTTGCTGCTAG
CCATGCGCCTTGCCAATGACGTGACTTTCCTTTGCTCCTGAAGTCTTTGGACAACCTAAAACCAATG
GATCCCTTTGCTCCTACACTCAGGCAGCCTCTCAAACCTCACTATGGATACATAAAGTGGAGACCCAA
GAGCCTTTGCAGCTGAAGTGAACCATTTGTCCTGTCGAACTCGGGTCCAGATGGTTGGACAGAAGG
TGGGGGAAGAGATAGACCGTGCCTGCTGATCTGGAGAATGAACAATGCCCCACCAAGGGTTTCGAGGA
AGATGTCGGCTACATGACGATGGTCCGAGTGGTGTACACACCAGCGTCCCTCTCTTGCTGAAAAACCCG
GACTATTTTTTCAAGGAGGCGAGCACAACCATTTACGTCATCTGGGGCCCTTTCCGCAACATGAGGAAGG
ACGGGAACGGGATCGTGTACAACATGCTAAAGAAGACGGTCGACGCCTACCCAGACGCGCAGATCTACGT
GACCACGGAGCAGCGGATGACGTACTGCGACGGGGTGTAAAGGATGAACTGGGAAAGACAGAGTCCAG
TCTGGCTCCTATCTCAGCACCGGGTGGTTCACCTTTATCCTGGCCATGGACGCCTGCTACAGTATCCAG
TCTACGGGATGATAAATGAGACCTACTGCACGACAGAAGGGTATAGAAAAGTCCCCTATCATTATGA
ACAAGGGAAGGACGAGTGAACGAGTATCTTCCATGAACATGCCCCATACGGGGGACACAGGTTTCATC
ACCGAGAAGAAAGTGTGGCCAAGTGGCCAAGAAACACAGAATAGTATTTACACACCCAAACTGGACAG
TGTCC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR203208 representing NM_019123
 Red=Cloning site Green=Tags(s)

MACILKRRKPALAVSFIALCILLAMRLANDVTFPLLNCFGQPKTKWIPLSYTLRQPLQTHYGYINVRTQ
 EPLQLNCNHCAVVSNSGQVMVGQKVGEEIDRASC IWRMNNAPT KGFEEVDGYMTMVRVVSHTSVPLLLKNP
 DYFFKEASTTIYVIWGPFRNMRKDGNGIYYNMLKKTVDAYPDAQIYVTTTEQRMTYCDGVFKDET GKDRVQ
 SGSYLSTGWFTFILAMDACYSIHVYGMINETYCTTEGYRKVPYHYEYEQGKDECNEYLLHEHAPYGGHRFI
 TEKKVFAKWAKKHRIVFTHPNWTVS

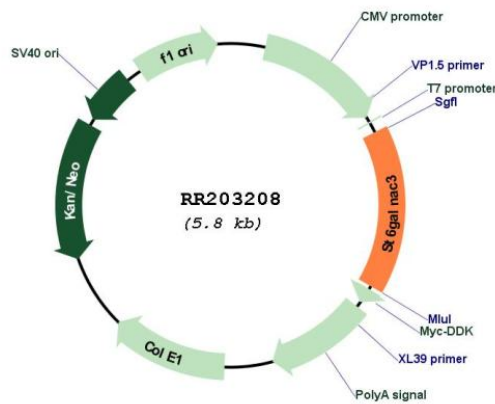
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_019123

ORF Size: 915 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_019123.1 , NP_061996.1
RefSeq Size:	2956 bp
RefSeq ORF:	918 bp
Locus ID:	29758
UniProt ID:	Q64686
Cytogenetics:	2q45
MW:	35.1 kDa
Gene Summary:	GalNAc alpha-2,6-sialyltransferase that forms a ganglioside G(D1alpha) from G(M1b). [RGD, Feb 2006]