

Product datasheet for MR229711

St6galnac6 (NM_001289547) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: St6galnac6 (NM_001289547) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: St6galnac6
Synonyms: Siat7f; ST6GalNAcVI
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >MR229711 representing NM_001289547
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGGCTTGCTCGAGGCCCGCCAGCCAGTGTGACCCACAACCCTGCCCGGGCCACCTGCCGGACGCT
 GGCCTTACCCTTCAGCAGACGCCGGAGAGAGATGAGTAGCAACAAAGAGCAGCGGTGAGCAGTGTGTTG
 GATCCTCTTTGCCCTCATCACCATCCTCATCCTCTACAGCTCCAACAGTGCCAACGAGGTCTTCCACTAC
 GGCTCCCTGCGGGCCGACGCGTCGGCCAGTCAACCTCAAGAAGTGGAGTTTCTCCAGCGCCTACTTCC
 CTATCCTCGGCAACAAGACGCTGCCGTCCAGGTGCAACCAAGTGTGTGATCATCACCAGCTCCAGCCACCT
 GCTGGGCACAAACTGGGCCCTGAGATTGAGCGGGCTGAGTGCACCATCCGCATGAACGATGCTCCCACC
 TCTGGCTACTCGGCTGACGTCGGAACAAAACCACTTCCGCGTAGTGGCCCATTCAGTGTATTCCGTG
 TGCTGCGGAAGCCCCAGGAATTTGTCAACCGGACCCCTGAGACGGTGTTCATCTTCTGGGGACCCCCAAA
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 ACAGGAAAAGTCCCATTCTGGTTGAGCACGGGCTGGTTTACCATGGTATTGCGGTGGAATTTGTGTA
 CCATGTGCAGTGTATGGCATGGTCCCTCCTGACTACTGCAGCGGCCCGCCTGCAGCGCATGCCATACC
 ACTACTATGAACCCAAGGGGCCGACGAGTGTGTACCTACATCCAGAACGAGCACAGCGTAAGGGCAA
 TCACCACCGCTTCATCACCAGAGAAGAGGGTCTTCTCGTCTGGGCCAACTCTACGGTATCACCTTCTCC
 CACCCCTCCTGGACCTAGTTATCCTGTCCACCGATCTCGGACAGATACAAACGAAGTGGCTCTGGCCAG
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 CCTTGATGAGGGTTTTTTTTTCTCCAGCCAATCGGGGCTGGGGTTATCTTTGGCCAATCAGGGATT
 GGAATTCTGTATGGTT

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 TGGATTACAAGGATGACGACGATAAGGTTTAA



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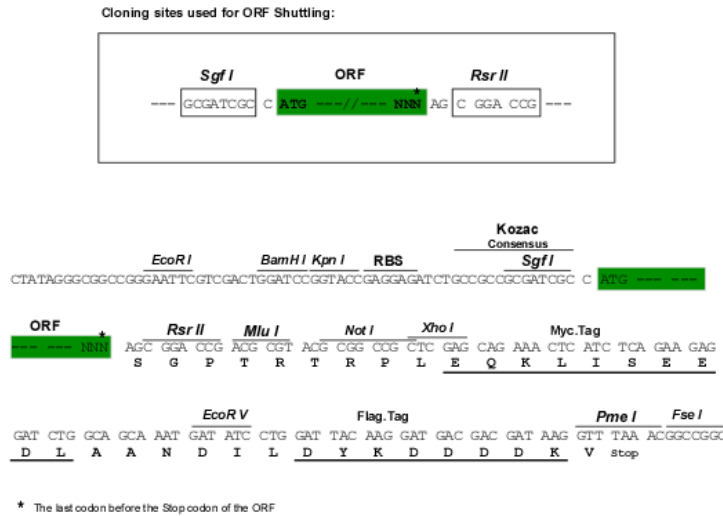
Protein Sequence: >MR229711 representing NM_001289547
 Red=Cloning site Green=Tags(s)

MACSRPPSQCDPTTLPPGPPAGRWPLPFSRRRREMSSNKEQRSVAVFVILFALITILILYSSNSANEVPHY
 GSLRGRTRRPVNLKKWFSAYFPIILGNKTLPSRCNQCVIITSSSHLLGKLGPEIERAECTIRMNDAPT
 SGYSADVGNKTTFRVVAHSSVFRVLRKPQEFVNRTPETVFIWGPNNKMQKPGSLLRVIQRAGLMFPNM
 EAYAVSPARMQQFDDLFRGETGKDREKSHSWLSTGWFTMVIIVELCDHVHVVYGMVPPDYCSGPACSACT
 TTMNPRGRTSVSPTSRTSTAVRAITTASSPRRSGSRPGPNSTVSPSPPTPPGPSYPVHRSRTDTNEVALAQ
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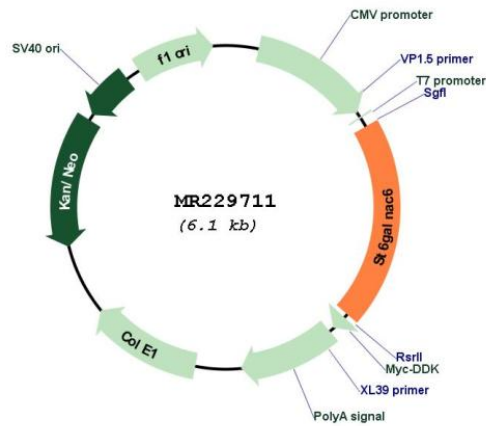
SGP TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-RsrII

Cloning Scheme:



Plasmid Map:



ACCN: NM_001289547

ORF Size:	1206 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_001289547.1 , NP_001276476.1
RefSeq Size:	2434 bp
RefSeq ORF:	1209 bp
Locus ID:	50935
UniProt ID:	Q9JM95
Cytogenetics:	2 B
MW:	45.1 kDa
Gene Summary:	Alpha-2,6-sialyltransferase involved in the synthesis of alpha-series gangliosides. Has activity toward GD1a, GT1b and GM1b. Has no activity toward glycoproteins. Responsible for the biosynthesis of DSGG (disialylgalactosylgloboside) from MSGG (monosialylgalactosylgloboside) in kidney.[UniProtKB/Swiss-Prot Function]