

## Product datasheet for MR218869

### St6galnac6 (NM\_001025310) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	St6galnac6 (NM_001025310) 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:	>MR218869 representing NM_001025310 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**GCGATCGC**C

ATGAGTAGCAACAAGAGCAGCGGTGAGCAGTGTGGTGTGATCCTCTTTGCCCTCATCACCATCCTCATCC  
TCTACAGCTCCAACAGTGCCAACGAGGTCTTCCACTACGGCTCCCTGCGGGCCGCACGCGTCGGCCAGT  
CAACCTCAAGAAGTGGAGTTTCTCCAGCGCCTACTTCCCTATCCTCGGCAACAAGACGCTGCCGTCCAGG  
TGCAACCAAGTGTGTGATCATCACCAGCTCCAGCCACCTGCTGGGCACCAAACTGGGCCCTGAGATTGAGC  
GGGCTGAGTGCACCATCCGCATGAACGATGCTCCACCTCTGGCTACTCGGCTGACGTCGGAAACAAAAC  
CACCTTCGCGTAGTGGCCATTCCAGTGTATTCCGTGTGCTGCGGAAGCCCCAGGAATTTGTCAACCGG  
ACCCCTGAGACGGTGTTCATCTTCTGGGGACCCCCAAACAAGATGCAGAAGCCCCAGGGCAGCCTCCTGC  
GCGTCATCCAGCGGGCGGCCTCATGTTCCGAACATGGAGGCCATGCCGTCTCTCCGCCCCGATGCA  
GCAGTTTGACGACCTCTCCGGGTGAGACGGGCAAGGACAGGAAAAGTCCCATTCTGGTTGAGCAGC  
GGCTGGTTTACCATGGTATTGCGGTGGAATTGTGTACCATGTGCACGTGTATGGCATGGTCCCTCCTG  
ACTACTGCAGCCAGCGCCCCGCTGCAGCGCATGCCATACCACTACTATGAACCAAGGGGCCGACGA  
GTGTGTACCTACATCCAGAACGAGCACAGCCGTAAGGGCAATACCACCGCTTATCACCGAGAAGAGG  
GTCTTCTGCTCCTGGGCCAACTCTACGGTATCACCTTCTCCACCCCTCCTGGACC

AG**CGGACCG**ACGCGTACGCGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC  
TGGATTACAAGGATGACGACGATAAGGTTTAA



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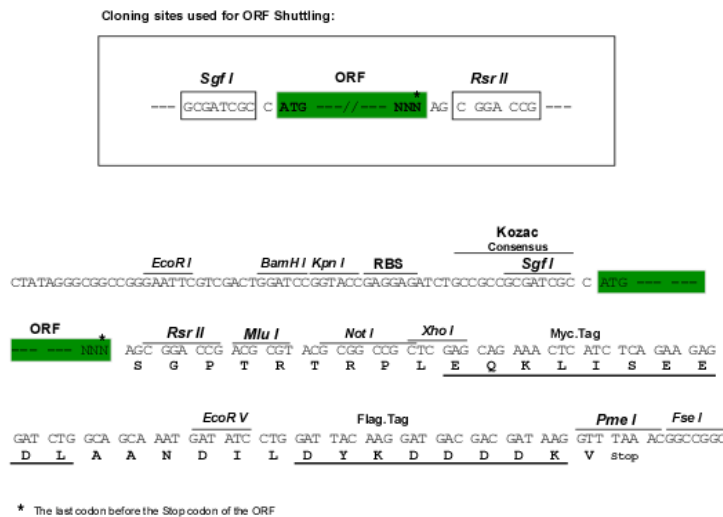
**Protein Sequence:** >MR218869 representing NM\_001025310  
Red=Cloning site Green=Tags(s)

MSSNKEQRSVAVFVILFALITILILYSSNSANEVHYGSLRGRTRRPVNLKKWSFSSAYFPILGNKTLPSR  
 CNQCVIITSSSHLLGTLGPEIERAECTIRMNDAPTSYGYSADVGNKTTFRVVAHSSVFRVLRKPQEFVNR  
 TPETVFIWGPNNKMQKPOGSLLRVIQRAGLMFPNMEAYAVSPARMQQFDDLFRGETGKDREKSHSWLST  
 GWFTMVI AVELCDHVHVYGMVPPDYCSQRPRLQRMPYHYEYEPKGPDECVTYIQNEHSRKGNNHHRFITEKR  
 VFSWAQLYGITFSHPWT

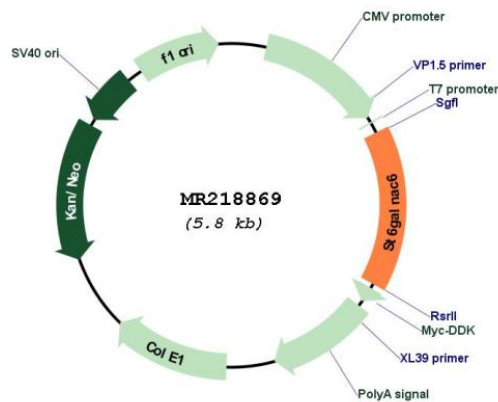
SGPTRTRRLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-RsrII

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_001025310

**ORF Size:** 897 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_001025310.2</a> , <a href="#">NP_001020481.1</a>
<b>RefSeq Size:</b>	2402 bp
<b>RefSeq ORF:</b>	900 bp
<b>Locus ID:</b>	50935
<b>UniProt ID:</b>	<a href="#">Q9JM95</a>
<b>Cytogenetics:</b>	2 B
<b>MW:</b>	34.8 kDa
<b>Gene Summary:</b>	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]