

Product datasheet for **MR216393**

St6galnac6 (NM_001025311) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: St6galnac6 (NM_001025311) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: St6galnac6
Synonyms: Siat7f; ST6GalNAcVI
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR216393 representing NM_001025311
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGATGAAACTCAGGGGCCCCCTCTTGGACACTGTGGTCCGGTACCTGCTGGAAGGAGCAGCGGTTCAG
CAGTGTTTGTGATCCTCTTTGCCCTCATCACCATCCTCATCTCTACAGCTCCAACAGTGCCAACGAGGT
CTTCCACTACGGCTCCCTGCGGGGCCGACGCGTCGGCCAGTCAACCTCAAGAAGTGGAGTTTCTCCAGC
GCCTACTCCCTATCCTCGGCAACAAGACGCTGCCGTCCAGGTGCAACCAGTGTGTGATCATCACCAGT
CCAGCCACCTGCTGGGCACCAAACCTGGGCCCTGAGATTGAGCGGGCTGAGTGCACCATCCGCATGAACGA
TGCTCCCACCTCTGGCTACTCGGCTGACGTCGGAAACAAACACCTTCCGCGTAGTGGCCATTCCAGT
GTATTCGGTGTGCTGCGGAAGCCCCAGGAATTTGTCAACCGGACCCCTGAGACGGTGTTCATCTTCTGGG
GACCCCAACAAGATGCAGAAGCCCCAGGGCAGCCTCCTGCGCGTCATCCAGCGGGCGGGCCTCATGTT
CCCGAACATGGAGGCTATGCCGTCTCTCCCGCCGCATGCAGCAGTTTGACGACCTCTTCCGGGTGAG
ACGGGCAAGGACAGGGAAAAGTCCCATTCTGGTTGAGCACGGGTGGTTTACCATGGTATTGCGGTGG
AATTGTGTGACCATGTGCACGTGTATGGCATGGTCCCTCCTGACTACTGCAGCCAGCGGCCCGCCTGCA
GCGCATGCCATACCACTACTATGAACCAAGGGGCCGGACGAGTGTGTACCTACATCCAGAACGAGCAC
AGCCGTAAGGGCAATCACCACCGCTTATCACCAGAGAAGAGGGTCTTCTCGTCTGGGCCCAACTCTACG
GTATCACCTTCTCCACCCCTCTGGACC

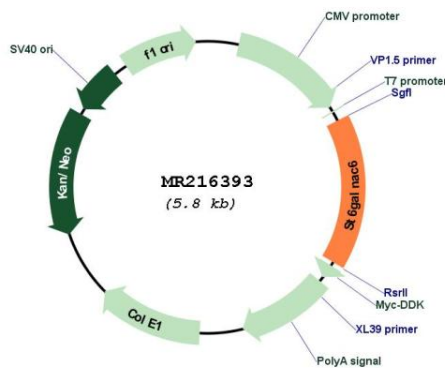
AG**CGGACCG**ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
TGGATTACAAGGATGACGACGATAAGGTTTAA



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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:	<u>NM_001025311.2</u> , <u>NP_001020482.1</u>
RefSeq Size:	2288 bp
RefSeq ORF:	942 bp
Locus ID:	50935
UniProt ID:	<u>Q9JIM95</u>
Cytogenetics:	2 B
MW:	36.3 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]

Product images:



Circular map for MR216393