

Product datasheet for MC218301

St6galnac6 (BC022924) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
 Product Name: St6galnac6 (BC022924) Mouse Untagged Clone
 Tag: Tag Free
 Symbol: St6galnac6
 Synonyms: Siat7f; ST6GalNAcVI
 Vector: pCMV6-Entry (PS100001)
 E. coli Selection: Kanamycin (25 ug/mL)
 Cell Selection: Neomycin
 Fully Sequenced ORF: >BC022924
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGCTTGCTCGAGGCCCCAGCCAGTGTGACCCACAACCCTGCCCCCGGGCCACCTGCCGGACGCT
 GGCCTTACCCTCAGCAGACGCCGGAGAGAGATGAGTAGCAACAAGAGCAGCGGTGAGCAGTGTGTTGT
 GATCCTCTTTGCCCTCATCACCATCCTCATCCTCTACAGCTCCAACAGTGCCAACGAGGTCTTCCACTAC
 GGCTCCCTGCGGGGCCGACGCGTCGGCCAGTCAACCTCAAGAAGTGGAGTTTCTCCAGCGCCTACTTCC
 CTATCCTCGGCAACAAGACGCTGCCGGCCAGGTGCAACCAGTGTGTGATCATCACCAGCTCCAGCCACCT
 GCTGGGCACAAACTGGGCCCTGAGATTGAGCGGGCTGAGTGCACCATCCGCATGAACGATGCTCCCACC
 TCTGGCTACTCGGCTGACGTCGGAACAAAACACCTTTCGCGTAGTGGCCATTCCAGTGTATTCCGTG
 TGCTGCGGAAGCCCCAGGAATTTGTCAACCGGACCCCTGAGACGGTGTTTCATCTTCTGGGACCCCCAAA
 CAAGATGCAGAAGCCCCAGGGCAGCCTCCTGCGCGTCATCCAGCGGGCGGGCCTCATGTTCCCGAACATG
 GAGGCCATGCGCTCTCTCCGCCGCATGCAGCAGTTTGACGACCTCTCCGGGGAAAAGTCCCATTC
 CTGGTTGA

AG**CGGACCG**ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCTGAAGAGGATCTGGCAGCAAATGATA
 TCCTGGATTACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-RsrII
 ACCN: BC022924
 Insert Size: 708 bp



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OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
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:	BC022924 , AAH22924
RefSeq Size:	2378 bp
RefSeq ORF:	707 bp
Locus ID:	50935
Cytogenetics:	2 B
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]