

Product datasheet for **MC226900**

St6galnac4 (NM_001276425) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: St6galnac4 (NM_001276425) Mouse Untagged Clone
Tag: Tag Free
Symbol: St6galnac4
Synonyms: SIAT7-D; Siat7d; ST6GalNAcIV
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC226900 representing NM_001276425
Red=Cloning site **Blue**=ORF **Orange**=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGAAGGCCCGGGCCGCTTCTGCTCCTCACACTGTGCATCTTGACATTCTCTGCTGTCTGTCTTCC
TGTGCTGTGGGCTGCCTGCCGCTCTGCCTGGCAACCTGCCTGGACCGCCACCTCCCTGCGCCCCCAG
ATCCACTGTGCCAGGGCCCTGCACTTCACTGGCTACAGCAGCGTCCAGACGGGAAGCCTTTATCCGA
GAACTGTGCCACAGCTGTGCGGTGGTGTCCAGCTCTGGCCAGATGCTGGGTTTCAGGCCTGGTGCCAGA
TCGATGGCGCAGAGTGCCTGCTACGCATGAACCAGGCACCCACCGTGGGCTTTGAGGAGGACGTGGCCCA
GCGCAGCACTCTGCGCGTGATCTCTCACACAAGTGTGCCATTGCTTCTGCGCAACTACTCACACTATTTCC
CAGCATGCCCGAGACAGCTCTACGTGGTGTGGGGCCAGGGCAGGCACATGGACAGGGTGTGGGCGGCC
GCACCTACCGAACGTTGCTGCAGCTCACCAGAAATGTATCCAGGCTGCAAGTGTACACCTTCACTGAACG
CATGATGGCCTACTGTGACCAGATCTTCCAAGATGAGACAGGCAAGAACCAGGAGACAATCAGGCTCCTTT
CTCAGCACCGTTGGTTACCATGATTTGGCCCTGGAGCTGTGCGAGGAGATCGTGGTCTACGGGATGG
TCAGCGATAGTTACTGCAGCGAGAAGAGTCCCCGCTCCGTGCCCTACCCTACTTTGAGAAGGGCCGCT
AGATGAGTGTGAGATGTACCGTTTGCATGAGCAGGCTCCAAGGAGCGCCCATCGCTTCAATACCGAGAAG
GCTGTGTTCTCCGCTGGGCCAAGAAGCGACCCATCGTGTTCGCCACCCGCTCTGGAGGCCAAG**TAG**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001276425
Insert Size: 909 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).
OTI Annotation:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
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_001276425.1</u> , <u>NP_001263354.1</u>
RefSeq Size:	3641 bp
RefSeq ORF:	909 bp
Locus ID:	20448
UniProt ID:	<u>Q9R2B6</u>
Cytogenetics:	2 B
Gene Summary:	Involved in the biosynthesis of ganglioside GD1A from GM1B. Transfers CMP-NeuAc with an alpha-2,6-linkage to GalNAc residue on NeuAc-alpha-2,3-Gal-beta-1,3-GalNAc of glycoproteins and glycolipids. Prefers glycoproteins to glycolipids.[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (2) lacks a segment in the 5' UTR, compared to variant 1. Variants 1 and 2 encode the same protein.