

Product datasheet for **RC237296**

ST6GALNAC6 (NM_001287001) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: ST6GALNAC6 (NM_001287001) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: ST6GALNAC6
Synonyms: SIAT7-F; SIAT7F; ST6GALNACVI
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RC237296 representing NM_001287001
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGAGTAGCAACAAGAGCAGCGGTGAGCAGTGTTCGTGATCCTCTTTGCCCTCATCACCATCCTCATCC
TCTACAGCTCCAACAGTGCCAATGAGGTCTTCCATTACGGCTCCCTGCGGGCCGTAGCCGCCGACCTGT
CAACCTCAAGAAGTGGAGCATCACTGACGGCTATGTCCCATTCTCGGCAACAAGACTGCCCTCTCGG
TGCCACCAGTGTGTGATTGTCAGCAGCTCCAGCCACCTGCTGGGCACCAAGCTGGGCCCTGAGATCGAGC
GGGCTGAGTGTACAATCCGCATGAATGATGCACCCACCACTGGCTACTCAGCTGATGTGGCAACAAGAC
CACCTACCGCGTCGTGGCCATTCCAGTGTGTTCCGCGTGCTGAGGAGGCCCCAGGAGTTTGTCAACCGG
ACCCCTGAAACCGTGTTTCATCTTCTGGGGGCCCCGAGCAAGATGCAGAAGCCCCAGGGCAGCCTCGTGC
GTGTGATCCAGCGAGCGGGCCTGGTGTCCCAACATGGAAGCATATGCCGTCTCTCCGGCCGCATGCG
GCAATTTGACGACCTCTCCGGGTGAGACGGGCAAGGACAGGGAGAAGTCTCATTCTGTTGTTGAGCACA
GGCTGGTTTACCATGGTATCGCGGTGGAGTTGTGTGACCACGTGCATGTCTATGGCATGGTCCCCCA
ACTACTGCAGCCAGCGGCCCGCTCCAGCGCATGCCCTACCACTACTACGAGCCCAAGGGCCGGACGA
ATGTGTCACCTACATCCAGAATGAGCACAGTCGCAAGGGCAACCACCGCTTCATACCCGAGAAAAGG
GTCTTCTCATCGTGGGCCAGCTGTATGGCATCACCTTCTCCACCCCTCCTGGACC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



Protein Sequence: >RC237296 representing NM_001287001
 Red=Cloning site Green=Tags(s)

MSSNKEQRSVAVFVILFALITILILYSSNSANEVPHYGSLRGRSRRPVNLKKWSITDGYVPILGNKTLPSR
 CHQCIVVSSSHLLGKLGPEIERAECTIRMNDAPTTGYSADVGNKTTYRVVAHSSVFRVLRPQEFVNR
 TPETVFIWGPSPSKMQKPQGLVRVIQRAGLVFPNMEAYAVSPGRMRQFDDLFRGETGKDREKSHSWLST
 GWFTMVI AVELCDHVHVYGMVPPNYCSQRPRLQRPMPYHYEYEPKGPDECVTYIQNEHSRKGNHHRFITEKR
 VFSSWAQLYGITFSHPST

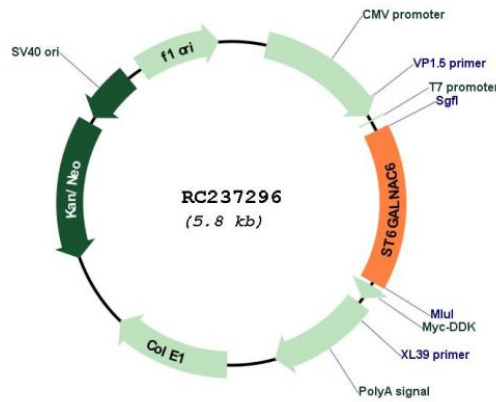
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001287001

ORF Size: 897 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_001287001.1 , NP_001273930.1
RefSeq Size:	2444 bp
RefSeq ORF:	900 bp
Locus ID:	30815
UniProt ID:	Q969X2
Cytogenetics:	9q34.11
Protein Families:	Transmembrane
Protein Pathways:	Glycosphingolipid biosynthesis - ganglio series, Metabolic pathways
MW:	34.7 kDa
Gene Summary:	ST6GALNAC6 belongs to a family of sialyltransferases that modify proteins and ceramides on the cell surface to alter cell-cell or cell-extracellular matrix interactions (Tsuchida et al., 2003 [PubMed 12668675]).[supplied by OMIM, Mar 2008]