

Product datasheet for **RG237297**

ST6GALNAC6 (NM_001287002) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ST6GALNAC6 (NM_001287002) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	ST6GALNAC6
Synonyms:	SIAT7-F; SIAT7F; ST6GALNACVI
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG237297 representing NM_001287002. Blue=ORF Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGAGTAGCAACAAGAGCAGCGGTGAGCAGTGTTCGTGATCCTCTTTGCCCTCATCACCATCCTCATC
CTCTACAGCTCCAACAGTGCCAATGAGGTCTTCCATTACGGCTCCCTGCGGGGCGGTAGCCGCCGACCT
GTCAACCTCAAGAAGTGGAGCATCACTGACGGCTATGTCCCCATTCTCGGCAACAAGACTGCCCTCT
CGGTGCCACCAGTGTGTGATTGTCAGCAGCTCCAGCCACCTGCTGGGCACCAAGCTGGGCCCTGAGATC
GAGCGGGCTGAGTGTACAATCCGCATGAATGATGCACCCACCACTGGCTACTCAGCTGATGTGGCAAC
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CGCATGCGGCAATTTGACGACCTCTTCCGGGTGAGACGGCAAGGACAGGGAGAAGTCTCATTCGTGG
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GTCCCCCAACTACTGCAGCCAGCGGCCCGCCTCCAGCGCATGCCCTACCACTACTACGACCCCAAG
GGGCCGGACGAATGTGTACCTACATCCAGAATGAGCACAGTTCGAAGGGCAACCACCACCGCTTCATC
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ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAAAC
```



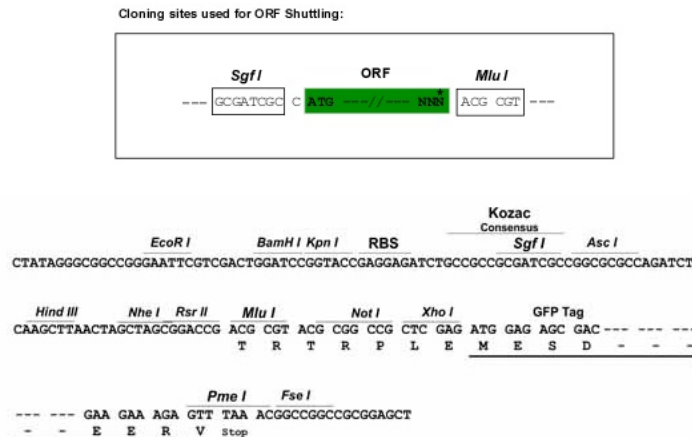
[View online »](#)

Protein Sequence: >Peptide sequence encoded by RG237297
 Blue=ORF Red=Cloning site Green=Tag(s)

MSSNKEQRSVAVFVILFALITILILYSSNSANEVPHYGSLRGRSRRPVNLKKWSITDGYVPILGNKTLPS
 RCHQCIVVSSSHLLGTLKLGPEIERAECTIRMNDAPTTGYSADVGNKTTYRVVAHSSVFRVLRPPQEFV
 NRTPETVFIFWGPPSKMQKPKQGS�VRVIQRAGLVFPNMEAYAVSPGRMRQFDDLFRGETGKDREKSHSW
 LSTGWFTMVIARELVDHVVHYGMVPPNYCSQRPRLQRMPIHYHVEPKGPDCEVYIYQNEHSRKGNNHHRFI
 TEKRVFSSWAQLYGITFSHPST
 TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGGEGTPEQGRMTNKMSTKGALTFSPYLLSHV
 MGYGFYHFGTYPSTYENPFLHAINNGGYNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPEP
 SVIFTDKIIRSNATVEHLHPMGDNDLDGSFTRTFSLRDGGYSSVVDSHMHFKSAIHPSILQNGGPMFA
 FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001287002

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).

RefSeq: [NM_001287002.1](#), [NP_001273931.1](#)

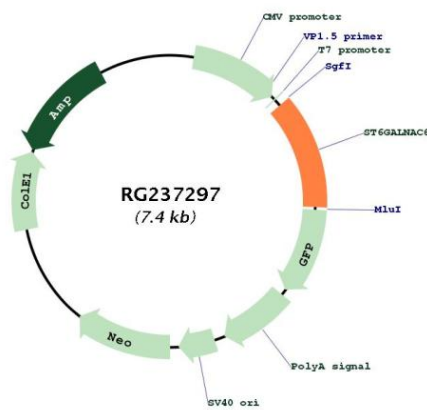
RefSeq Size: 2415 bp

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]

Product images:



Circular map for RG237297