

Product datasheet for **RG235532**

ST6GALNAC6 (NM_001287003) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: ST6GALNAC6 (NM_001287003) 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: >RG235532 representing NM_001287003.
Blue=ORF Red=Cloning site Green=Tag(s)

GCTCGTTTAGTGAACCGTCAGAATTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
 GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGAGTAGCAACAAGAGCAGCGGTGAGCAGTGTTCGTGATCCTCTTGCCTCATCACCATCCTCATC
CTCTACAGCTCCAACAGTGCCAATGAGGTCTTCCATTACGGCTCCCTGCGGGCCGTAGCCGCCGACCT
GTCAACCTCAAGAAGTGGAGCATCACTGACGGCTATGTCCCCATTCTCGGCAACAAGGGAGAAGTCTCA
TTCGTGGTTGAGCACAGGCTGGTTACCATGGTGATCGCGGTGGAGTTGTG
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAAAC

Protein Sequence: >Peptide sequence encoded by RG235532
Blue=ORF Red=Cloning site Green=Tag(s)

MSSNKEQRSAVFVILFALITILILYSSNSANEVPHYGSLRGRSRRPVNLKKWSITDGYVPILGNKGEVS
FVVEHRLVYHGDRGGV
TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGEGTPEQGRMTNKMSTKGALTFSPYLLSHV
MGYGFYHFGTYPSGYENPFLHAINNGGYNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPEP
SVIFTDKIIRSNATVEHLHPMGDNDLDGSFTRFSLRDGGYSSVVDSHMHFKSAIHPSILQNGGPMFA
FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV

Restriction Sites: SgfI-MluI



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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). |
| RefSeq: | NM_001287003.1 , NP_001273932.1 |
| RefSeq Size: | 2037 bp |
| RefSeq ORF: | 261 bp |
| Locus ID: | 30815 |
| UniProt ID: | Q969X2 |
| Cytogenetics: | 9q34.11 |
| Protein Families: | Transmembrane |
| Protein Pathways: | Glycosphingolipid biosynthesis - ganglio series, Metabolic pathways |
| MW: | 10.1 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] |