

Product datasheet for **RG228142**

ST6GALNAC3 (NM_001160011) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: ST6GALNAC3 (NM_001160011) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: ST6GALNAC3
Synonyms: PRO7177; SIAT7C; ST6GALNACIII; STY
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG228142 representing NM_001160011
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCCTGCATCCTGAAGAGAAAGTCTGTGATTGCTGTGAGCTTCATAGCAGCGTTCCTTTCTGCTGG
TTGTGCGTCTTGTAAATGAAGTGAATTTCCATTGCTACTAACTGCTTTGGACAACCTGGTACAAAGTG
GATACCATTCTCTACACATACAGGCGGCCCTTCGAACCTCACTATGGATACATAAATGTGAAGACACAA
GAGCCTTTGCAACTGGACTGTGACCTTTGTGCCATAGTGTCAAACCTCAGGTCAGATGGTTGGCCAGAAGG
TGGGAAATGAGATAGATCGATCCTCCTGCATTTGGAGAATGAACAATGCCCCACCAAAGTTATGAAGA
AGATGTCGGCCGATGACCATGATTGAGTGTGCCATACCAGCGTTCCTCTTTGCTAAAAACCT
GATTATTTTTCAAGGAAGCAATACTACTATTTATGTTATTTGGGACCTTTCCGAATATGAGGAAAG
ATGGCAATGGCATCGTTTACAACATGTTGAAAAAGACAGTTGGTATCTATCCGAATGCCCAAATATACGT
GACCACAGAGAAGCGCATGAGTTACTGTGATGGAGTTTTAAGAAGGAAACTGGGAAGGACAGTACAGAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG228142 representing NM_001160011
Red=Cloning site Green=Tags(s)

MACILKRKSVIAVSFIAAFLFLLVVRLVNEVNFLLLNCFGQPQGTWIPFSYTYRRPLRTHYGYINVKTQ
EPLQLDCDLCAIVNSGQMVGQKVGNEIDRSSCIWRMNNAPTKEYEEDVGRMTMIRVVSHTSVPLLLKNP
DYFFKEANTTIYVIWGPFRNMRKDGNGIYVNMMLKKTGVIYVNAQIYVTTTEKRMSYCDGVFKKETGKDSTE

TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-MluI



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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_001160011.3</u>
RefSeq Size:	1171 bp
RefSeq ORF:	633 bp
Locus ID:	256435
UniProt ID:	<u>Q8NDV1</u>
Cytogenetics:	1p31.1
Protein Families:	Transmembrane
Protein Pathways:	Glycosphingolipid biosynthesis - ganglio series, Metabolic pathways
Gene Summary:	ST6GALNAC3 belongs to a family of sialyltransferases that transfer sialic acids from CMP-sialic acid to terminal positions of carbohydrate groups in glycoproteins and glycolipids (Lee et al., 1999 [PubMed 10207017]).[supplied by OMIM, Mar 2008]