

## **Product datasheet for RG205750**

### ST3GAL6 (NM\_006100) Human Tagged ORF Clone

#### **Product data:**

**Product Type:** Expression Plasmids

Product Name: ST3GAL6 (NM\_006100) Human Tagged ORF Clone

Tag: TurboGFP Symbol: ST3GAL6

Synonyms: SIAT10; ST3GALVI

Mammalian Cell Neomycin

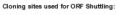
Selection:

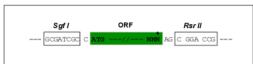
**Vector:** pCMV6-AC-GFP (PS100010)

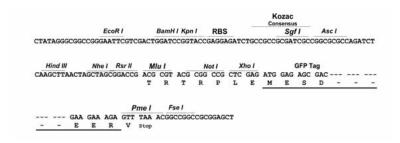
E. coli Selection: Ampicillin (100 ug/mL)

**Restriction Sites:** Sgfl-Rsrll

**Cloning Scheme:** 







**ACCN:** NM\_006100

ORF Size: 993 bp



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#### ST3GAL6 (NM\_006100) Human Tagged ORF Clone - RG205750

**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:** 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.

**Note:** Plasmids are not sterile. For experiments where strict sterility is required, filtration with

0.22um filter is required.

**RefSeq:** <u>NM 006100.3</u>

 RefSeq Size:
 2107 bp

 RefSeq ORF:
 996 bp

 Locus ID:
 10402

 UniProt ID:
 Q9Y274

 Cytogenetics:
 3q12.1

Domains: Glyco\_transf\_29
Protein Families: Transmembrane

**Protein Pathways:** Glycosphingolipid biosynthesis - lacto and neolacto series, Metabolic pathways

**Gene Summary:** The protein encoded by this gene is a member of the sialyltransferase family. Members of

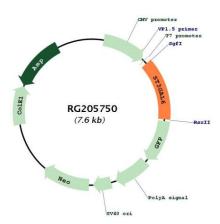
this family are enzymes that transfer sialic acid from the activated cytidine 5'-monophospho-N-acetylneuraminic acid to terminal positions on sialylated glycolipids (gangliosides) or to the

N- or O-linked sugar chains of glycoproteins. This protein has high specificity for

neolactotetraosylceramide and neolactohexaosylceramide as glycolipid substrates and may contribute to the formation of selectin ligands and sialyl Lewis X, a carbohydrate important for cell-to-cell recognition and a blood group antigen. [provided by RefSeq, Apr 2016]



# **Product images:**



Circular map for RG205750