

## Product datasheet for **SC330310**

### **GALNT14 (NM\_001253826) Human Untagged Clone**

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** GALNT14 (NM\_001253826) Human Untagged Clone  
**Tag:** Tag Free  
**Symbol:** GALNT14  
**Synonyms:** GalNac-T10; GalNac-T14; GALNT15  
**Vector:** pCMV6-Entry (PS100001)  
**Fully Sequenced ORF:** >SC330310 representing NM\_001253826.  
Blue=Insert sequence Red=Cloning site Green=Tag(s)

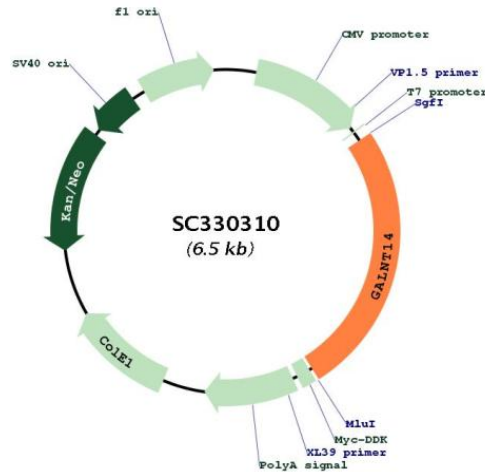
```
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GACATGGTGGACTCTGA
```

**Restriction Sites:** SgfI-MluI



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## Plasmid Map:



ACCN: NM\_001253826

Insert Size: 1674 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

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.

RefSeq: [NM\\_001253826.1](#)

RefSeq Size: 2750 bp

RefSeq ORF: 1674 bp

Locus ID: 79623

UniProt ID: [Q96FL9](#)

Cytogenetics: 2p23.1

Protein Families: Transmembrane

**Protein Pathways:** Metabolic pathways, O-Glycan biosynthesis

**MW:** 64.3 kDa

**Gene Summary:** This gene encodes a Golgi protein which is a member of the polypeptide N-acetylgalactosaminyltransferase (ppGalNAc-Ts) protein family. These enzymes catalyze the transfer of N-acetyl-D-galactosamine (GalNAc) to the hydroxyl groups on serines and threonines in target peptides. The encoded protein has been shown to transfer GalNAc to large proteins like mucins. Alterations in this gene may play a role in cancer progression and response to chemotherapy. [provided by RefSeq, Jun 2016]  
Transcript Variant: This variant (2) contains two alternate in-frame exons and lacks an alternate in-frame exon in the 5' coding region compared to variant 1. The resulting protein (isoform 2) is longer compared to isoform 1. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.