

Product datasheet for **SC336651**

GALNT2 (NM_001291866) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	GALNT2 (NM_001291866) Human Untagged Clone
Tag:	Tag Free
Symbol:	GALNT2
Synonyms:	CDG2T; GalNAc-T2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >SC336651 representing NM_001291866.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

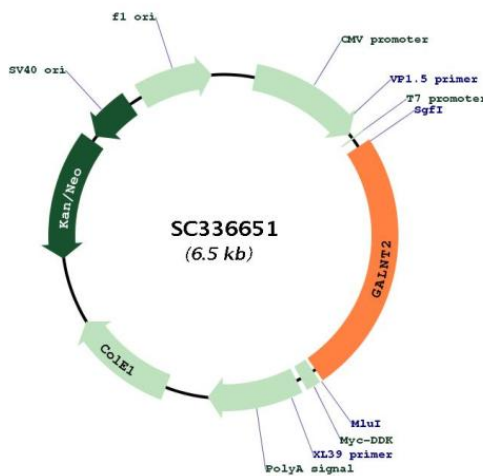
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Restriction Sites:

Sgfl-MluI

Plasmid Map:



ACCN:	NM_001291866
Insert Size:	1602 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:	<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:	NM_001291866.1
RefSeq Size:	4562 bp
RefSeq ORF:	1602 bp
Locus ID:	2590
UniProt ID:	Q10471
Cytogenetics:	1q42.13
Protein Families:	Secreted Protein, Transmembrane
Protein Pathways:	Metabolic pathways, O-Glycan biosynthesis
MW:	60.8 kDa
Gene Summary:	<p>This gene encodes a member of the glycosyltransferase 2 protein family. Members of this family initiate mucin-type O-glycosylation of peptides in the Golgi apparatus. The encoded protein may be involved in O-linked glycosylation of the immunoglobulin A1 hinge region. This gene may influence triglyceride levels, and may be involved Type 2 diabetes, as well as several types of cancer. Alternative splicing results in multiple transcript variants. [provided by RefSeq, May 2014]</p> <p>Transcript Variant: This variant (2) differs in the 5' UTR and 5' coding region, compared to variant 1. The encoded isoform (2) has a shorter and distinct N-terminus, compared to isoform 2.</p>