

## Product datasheet for **SC328907**

### **GALNTL1 (GALNT16) (NM\_001168368) Human Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	GALNTL1 (GALNT16) (NM_001168368) Human Untagged Clone
Tag:	Tag Free
Symbol:	GALNT16
Synonyms:	GalNAc-T16; GALNACT16; GALNTL1
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL5</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)



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**Fully Sequenced ORF:** >NCBI ORF sequence for NM\_001168368, the custom clone sequence may differ by one or more nucleotides

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ATGAGGAAGATCCGCGCCAATGCCATCGCCATCCTGACCGTAGCCTGGATCCTGGGCACT
TTCTACTACTTATGGCAGGACAACCGAGCCCACGCAGCATCCTCCGGCGGGCCGGGGCGCG
CAGAGGGCAGGCAGGAGGTCGGAGCAGCTCCGCGAGGACCGCACCATCCCCTCATTGTG
ACAGGAACTCCCTCGAAAGGCTTTGATGAGAAGGCCTACCTGTGCGCCAAGCAGCTGAAG
GCTGGAGAGGACCCCTACAGACAGCAGCCTTCAACCAGCTGGAGAGTGACAAGCTGAGC
CCAGACCGGCCCATCCGGGACACCCGCCATTACAGCTGCCATCTGTGTCTACTCTCG
GACCTGCCAGCCACCAGCGTCATCATCACCTTCCACAATGAGGCCGTTCCACCCTGCTG
CGCACAGTGAAGAGTGTCTGAACCGAACTCCTGCCAACTTGATCCAGGAGATCATTTTA
GTGGATGACTTCAGCTCAGATCCGGAAGACTGTCTACTCCTGACCAGGATCCCCAAGGTC
AAGTGCCTGCGCAATGATCGGCGGAAGGGCTGATCCGGTCCCGAGTGCCTGGGGCGGAC
GTGGCTGCAGTACCCTTCTCACCTTTCTGGATAGCCACTGCGAAGTGAACACCGAGTGG
CTGCCGCCATGCTGCAGCGGGTGAAGGAGGACCACCCCGCTGGTGGTGGTCCCATTATT
GATGTCATCAGTCTGGATAATTTTGCCTACCTTGACGATCTGCTGACCTTCGTGGAGGG
TTCGACTGGAGCCTGCATTTCAAGTGGGAGCAGATCCCTCTTGAGCAGAAGATGACCCGG
ACAGACCCACCAGGCCATAAGGACGCCTGTCATAGCTGGAGGAATCTTCGTGATCGAC
AAGTCTGGTTTAACCCTTGGGAAAGTATGATGCCAGATGGACATCTGGGGGGGAGAG
AATTTTGAAGTCTCCTTCAGGGTGTGGATGTGTGGTGGCAGTCTGGAGATCGTCCCCTGC
AGCCGGGTGGGCCATGTCTTCAGGAAACGGCACCCCTACAACCTCCCTGAGGGTAATGCC
CTCACCTACATCAGGAATACTAAGCGCACTGCAGAAGTGTGGATGGATGAATAACAAGCA
TACTACTATGAGGCCCGCCCTCGGCCATCGGGAAGGCCTTCGGCAGTGTGGCTACGCGG
ATAGAGCAGAGGAAGAAGATGAACTGCAAGTCTTCCGCTGGTACCTGGAGAACGTCTAC
CCAGAGCTCACGGTCCCGTGAAGGAAGCACTCCCGGCATCATTAAAGCAGGGGGTGAAC
TGCTTAGAATCTCAGGGCCAGAACACAGCTGGTGACTTCTGCTTGAATGGGGTCTGC
AGAGGGTCTGCCAAGAACCCGCAGCCCGCCAGGCATGGCTGTTCAAGTACCACCTCATC
CAGCAGCAGGGGAAGTGCCTGGCTGCCACCTCCACCTTAATGTCTCCCCTGGATCCCCA
GTCATACTGCAGATGTGCAACCCTAGAGAAGGCAAGCAGAAATGGAGGAGAAAAGGATCT
TTCATCCAGCATTCAAGTCAAGTGGCTCTGCCTGGAGACAAAGCCTGCCAGCTGGTACC
AGCAAGTGTCAAGGCTGACGCCAGGCCAGCAGTGGCAGCTGTTGCCACACATGA
    
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**Restriction Sites:** Please inquire

**ACCN:** NM\_001168368

**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).

**OTI Annotation:** This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

**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).

<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u>NM_001168368.1, NP_001161840.1</u>
<b>RefSeq Size:</b>	4309 bp
<b>RefSeq ORF:</b>	1677 bp
<b>Locus ID:</b>	57452
<b>UniProt ID:</b>	<u>Q8N428</u>
<b>Cytogenetics:</b>	14q24.1
<b>Protein Families:</b>	Transmembrane
<b>Protein Pathways:</b>	Metabolic pathways, O-Glycan biosynthesis
<b>Gene Summary:</b>	<p>Catalyzes the initial reaction in O-linked oligosaccharide biosynthesis, the transfer of an N-acetyl-D-galactosamine residue to a serine or threonine residue on the protein receptor. [UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (1) represents the longer transcript. Both variants 1 and 2 encode the same protein.</p>