

Product datasheet for SC314049

GALNT2 (NM_004481) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	GALNT2 (NM_004481) Human Untagged Clone
Tag:	Tag Free
Symbol:	GALNT2
Synonyms:	CDG2T; GalNAc-T2
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for NM_004481 edited
 GGGATATCGTCGACCCACGCGTCCGCCACCGCGCCCGCGGCCAGGCAGCACTCGC
 GAGCAGCGGCGGCCCGCGCCGCGGAGTTGGGAGAATGCGGCGGCGCTCGCGGATGCT
 GCTCTGCTTCGCCCTTCTGTGGGTGCTGGGCATCGCCTACTACATGTA CTGCGGGGCGG
 CTCTGCGTGGCCGGGGCGCGGGCGGCCGCGCAGGAAGGAGGACTGGAATGAAAT
 TGACCCCATTA AAAAGAAAGACCTTCATCACAGCAATGGAGAAGAGAAAGCAAAAGCAT
 GGAGACCTCCCTCCAGGAAAGTACGGTGGCCAGACTTTAACCAGGAAGCTTATGTTGG
 AGGGACGATGGTCCGCTCCGGGCAGGACCTTACGCCCGCAACAAGTTCAACCAGGTGGA
 GAGTGATAAGCTTCGAATGGACAGAGCCATCCCTGACACCCGGCATGACCAGTGCAGCG
 GAAGCAGTGGCGGTGGATCTGCCGGCCACCAGCGTGGTATCACGTTTCACAATGAAGC
 CAGGTCGGCCCTACTCAGGACCGTGGTCAGCGTGCTTAAGAAAAGCCCGCCCATCTCAT
 AAAAGAAATCATCTTGGTGGATGACTACAGCAATGATCCTGAGGACGGGGCTCTCTGGG
 GAAAAATTGAGAAAAGTGGAGTTCTTAGAAATGATCGACGAGAAGGCCATGCGCTCACG
 GGTTCGGGGGGCGATGCTGCCAAGCCAAGGTCTGACCTTCTGGACAGTCACTGCGA
 GTGTAATGAGCACTGGCTGGAGCCCTCTGGAAGGGTGGCGGAGGACAGGACTCGGGT
 TGTGTCACCCATCATCGATGTCATTAATATGGACAACCTTTCAGTATGTGGGGGCATCTGC
 TGACTTGAAGGGCGGTTTTGATTGGAACCTGGTATTCAAGTGGGATTACATGACGCTGA
 GCAGAGAAGGTCCCGGCAGGGGAACCCAGTCGCCCTATAAAAACCCCATGATTGCTGG
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 GGATGTGTGGGGAGGAGAGAACCTAGAGATCTCGTTCGCGTGTGGCAGTGTGGTGGCAG
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 GTTCCCGGTGGCAGTGGCACTGTCTTTGCCGAAAACCCCGCGGGCAGCAGAGGTCTG
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 GTACCTTGAAAATGTCTATCCAGAGTTAAGGGTCCAGACCATCAGGATATAGCTTTTGG
 GGCCTTGACAGGGAACCTAAGTGCCTCGACACTTTGGGACACTTTGCTGATGGTGTGGT
 TGGAGTTTATGAATGTCACAATGCTGGGGAAACCAGGAATGGGCCTTGACGAAGGAGAA



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GTCAGTGAAGCACATGGATTTGTGCCTTACTGTGGTGGACCGGGCACCGGGCTCTTTAT
 AAAGCTGCAGGGCTGCCGAGAAAATGACAGCAGACAGAAAATGGGAACAGATCGAGGGCAA
 CTCCAAGCTGAGGCACGTGGGCAGCAACCTGTGCCTGGACAGTCGCACGGCCAAGAGCGG
 GGGCCTAAGCGTGGAGGTGTGTGGCCCGGCCCTTTCGCAGCAGTGAAGTTACAGCTCAA
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 GCTCTGCGTGAGCCAGCAATACCGCTGCCCTGGCGACAGGGCAGACCAATGATGCCAG
 GCAGCTGCACACGCTAGTATTGGCTTCAATTGTGATCTGAGCCCTGCACGCTGGGCCCTC
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 CAGTCTTTCACACCTGCTGGCCTGGGGAGCTCCAGCCAGGCAGCGAGTCTGCCCGGCC
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 AATTAGGAAGGGTCAGAACCAACAATACCTGCTCATTTACACTGAGGATTCAGGGCGGG
 AGACAGGAGCCTTGGGGTCTGTAAACCACAGACAGTTATGAACTGAAAGTCATAACGG
 GGAGAGGTGCCTGGCTTCTACCTGGGTGCTCAGGAATGTTCTCGTCACCCCTGCCACTC
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 AGATGCTCGGTCTCAGAGAGGCTGGCACGGCTGGCAGTCTGAGAAAAGCGTCAGTTAGG
 CACACCTGCAGGCCCTCGGTGGGACAGCGCGGCCCTGGAGTTAGGAGCCACCCTGGGA
 GGTGTGCCGGTGCATGCTCCTCCCTGTGTCTTGTATGAAAGGGGCCACTGTGTGTCTT
 CCTCCCCGGCGGGAGCCCACTGTGTGCACTGTAGGACAGCGGCCCCGAGGTGGAAGCC
 TGGCTGGAGGGCTGCCATAGGTCTTCTTCCCCTCCCTGCCATGCAACCAGATG
 TGTCTGAGTGGGCAGCGTGCACCCACGCTGGAGTAACTCCGCACGCTTCTGTCTTTCAC
 GGTGGGCGCTCGGGGGAGCCTGAGGAAAACCCCTTAGGTACCTGTGCGAGGCTGTGGA
 GTGCAGGCCAGAGCAGGTGTGCGTAGCCCCAGCACCAGGTTCTTCTGTGACACCCTG
 TGACCTGCGAGCTGCTACTACTGTAAGGAGGGAAATGGATGAATCTGGCTCGTTTTAAAA
 TCAGTTTTCTGACGAATCCTTTGCCCTTACCTTTACCCCGCCGCACCCCTAGGCC
 TCTCAGCTTCTATCATCCACGTGTCTACCCAGACCCTTGCAGCGCCATGCCCTGGG
 GGCGGCGTCTGTCCCTGAGCTGGGAGGCGGCTTGGATGGTCCGGGCGTCAAGAGCAGG
 GGTGGGCCGGGAGGGTCTTTGCGGTGAGCTATGTTTACATGACACAGTGTGCCAAAG
 TGACTTACTGCGGTTGCGTTAGTTTCTAGTCATCAGGA

Restriction Sites: Please inquire
ACCN: NM_004481
Insert Size: 4200 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).
OTI Annotation:	The ORF of this clone has been fully sequenced and found to be a perfect match to NM_004481.2.
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_004481.2 , NP_004472.1
RefSeq Size:	4447 bp
RefSeq ORF:	1716 bp
Locus ID:	2590
UniProt ID:	Q10471
Cytogenetics:	1q42.13
Domains:	RICIN, Glycos_transf_2
Protein Families:	Secreted Protein, Transmembrane
Protein Pathways:	Metabolic pathways, O-Glycan biosynthesis
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 (1) encodes the longer isoform (1).</p>