

Product datasheet for **SC305129**

GALNT14 (NM_024572) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	GALNT14 (NM_024572) Human Untagged Clone
Tag:	Tag Free
Symbol:	GALNT14
Synonyms:	GalNac-T10; GalNac-T14; GALNT15
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >NCBI ORF sequence for NM_024572, the custom clone sequence may differ by one or more nucleotides

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ATGCGGCGCTGACTCGTCGGCTGGTTCTGCCAGTCTTCGGGGTGTCTGGATCACGGTGTCTGTTCT
TCTGGGTAACCAAGAGGAAGTTGGAGGTGCCGACGGGACCTGAAGTGCAGACCCCTAAGCCTTCGGACGC
TGACTGGGACGACCTGTGGGACCAGTTTGATGAGCGGGCGGTATCTGAATGCCAAAAAGTGGCGCGTTGGT
GACGACCCCTATAAGCTGTATGCTTTCAACCAGCGGGAGAGTGAAGCGGATCTCCAGCAATCGGGCCATCC
CGGACACTCGCCATCTGAGATGCACACTGCTGGTGTATTGCACGGACCTCCACCCACTAGCATCATCAT
CACCTTCCACAACGAGGCCCGCTCCACGCTGCTCAGGACCATCCGACGTGATTAACCCGACCCCTACG
CATCTGATCCGGGAAATCATATTAGTGGATGACTTCAGCAATGACCCTGATGACTGTAACAGCTCATCA
AGTTGCCCAAGGTGAAATGCTTGCACAATAATGAACGGCAAGGTCTGGTCCGGTCCCGGATTCCGGGGCGC
TGACATCGCCAGGGCACCCTGACTTTCCTCGACAGCCACTGTGAGGTGAACAGGGACTGGCTCCAG
CCTCTGTTGCACAGGGTCAAAGAGGACTACACGGGGTGGTGTGCCCTGTGATCGATATCATTAACTGG
ACACCTTACCTACATCGAGTCTGCCTCGGAGCTCAGAGGGGGTTTACTGGAGCCTCCACTTCCAGTG
GGAGCAGCTCTCCCAGAGCAGAAGGCTCGGCGCTGGACCCACGGAGCCCATCAGGACTCCTATCATA
GCTGGAGGGCTCTTCGTGATCGACAAAGCTTGGTTTGATTACCTGGGAAATATGATATGGACATGGACA
TCTGGGGTGGGGAGAAGTTTAAATCTCCTTCCGAGTGTGGATGTGCGGGGGCAGCTAGAGATCGTCCC
CTGCAGCCGAGTGGGGCACGTCTTCCGGAAGAAGCACCCTACGTTTTCCCTGATGGAAATGCCAACACG
TATAAAGAACACCAAGCGGACAGCTGAAGTGTGGATGGATGAATACAAGCAATACTATTACGCTGCC
GGCCATTGCGCCTGGAGAGGCCCTTCGGGAATGTTGAGAGCAGATTGGACCTGAGGAAGAATCTGCGCTG
CCAGAGCTTCAAGTGGTACCTGGAGAATATCTACCCTGAACTCAGCATCCCAAGGAGTCCCTCCATCCAG
AAGGGCAATATCCGACAGAGACAGAAGTGCCTGGAAATCTCAAAGGCAGAACCAACCAAGAAACCCCAACC
TAAAGTTGAGCCCTGTGCCAAGGTCAAAGGCGAAGATGCAAAGTCCAGGTATGGGCCTTACATACAC
CCAGCAGATCCTCCAGGAGGAGCTGTGCCTGTGAGTATCACCTTGTTCCTGGCGCCCAAGTGGTTCTT
GTCCTTTGCAAGAATGGAGATGACCGACAGCAATGGACAAAACCTGGTCCACATCGAGACATAGCAT
CCCACCTCTGCCTCGATACAGATATGTTCCGGTATGGCACCAGGAAAGGCAAGGAAATCGTCGTCACCC
ATGTGAGTCTCACTCATGAGCCAGCACTGGGACATGGTGAAGCTTGA
    
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Restriction Sites: ECoRI-NOT

ACCN: NM_024572

Insert Size: 2800 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: ORF matches with the reference except that there is one 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_024572.2](#), [NP_078848.2](#)

RefSeq Size: 2762 bp

RefSeq ORF: 1659 bp

Locus ID: 79623

UniProt ID: [Q96FL9](#)

Cytogenetics: 2p23.1

Protein Families: Transmembrane

Protein Pathways: Metabolic pathways, O-Glycan biosynthesis

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 (1) encodes isoform 1.