

Product datasheet for **SC336796**

GALNT13 (NM_001301627) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	GALNT13 (NM_001301627) Human Untagged Clone
Tag:	Tag Free
Symbol:	GALNT13
Synonyms:	GalNAc-T13
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >SC336796 representing NM_001301627.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGCATCGCC
ATGAGGAGATTTGTCTACTGCAAGGTGGTCTAGCCACTTCGCTGATGTGGTCTTGTGTGATGTCTTC
TTACTGCTGTACTTCAGTGAATGTAACAAATGTGATGACAAGAAGGAGAGATCTCTGCTGCCTGCATTG
AGGGCTGTTATTTCAAGAAACCAAGAAGGGCCAGGAGAAATGGGAAAAGCTGTGTTGATTCTAAAGAT
GACCAGGAGAAAAATGAAAGAGCTGTTTAAAATCAATCAGTTTAACTTATGGCCAGTGATTTGATTGCC
CTTAATAGAAGTCTGCCAGATGTAAGATTAGAAGGATGTAAGACAAAAGTCTACCCTGATGAACTCCA
AACACAAGTGTAGTCATTGTGTTTCATAATGAAGCTTGGAGCACTCTCCTTAGAACTGTTTACAGTGTG
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CTCAAGTTGACATTAGAGAATTACGTGAAAAATTTAGAAGTGCCAGTAAAAATTATTAGGATGGAAGAA
CGCTCTGGGTTAATACGTGCCCGTCTTCGAGGAGCAGCTGCTTCAAAGGGCAGGTCACTAATTTTCTT
GATGCACACTGTGAATGCACGTTAGGATGGCTGGAGCCTTTGCTGGCAAGATAAAGGAAGACAGGAAA
ACGGTTGTCTGCCCTATCATTGATGTGATTAGTATGATACTTTTGAATATATGGCTGGGTGAGACATG
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GCAGAAGTTTGGATGGATGAATTTAAAGATTTCTTCTACATCATATCCCCAGGTGTTGTCAAAGTGGAT
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GTTTCTAGACTCAATGGACCTGTAATCATGTTAAAATGCCACCATATGAGAGGAAATCAGTTATGGGAA
TATGATGCTGAGTCTGTCTCAGTGAACAAAGTAGCTGATGGCTCCAGCATCCTACTGTGAAACC
TGTAATGATAGCACTTTGCAAAAATGGCTACTAAGAACTATAACAAGAATGGAAATTTTLAGAAATAT
TTTGGGAATTCTACTGATTACATTCTTAA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
  
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Restriction Sites: Sgfl-Mlul

ACCN: NM_001301627

Insert Size: 1686 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_001301627.1](#)

RefSeq Size: 5379 bp

RefSeq ORF: 1686 bp

Locus ID: 114805

UniProt ID: [Q8IUC8](#)

Cytogenetics: 2q23.3-q24.1

Protein Families: Transmembrane

Protein Pathways: Metabolic pathways, O-Glycan biosynthesis

MW: 64.6 kDa

Gene Summary: The GALNT13 protein is a member of the UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylgalactosaminyltransferase (GalNAcT; EC 2.4.1.41) family, which initiate O-linked glycosylation of mucins (see MUC3A, MIM 158371) by the initial transfer of N-acetylgalactosamine (GalNAc) with an alpha-linkage to a serine or threonine residue.[supplied by OMIM, Apr 2004]

Transcript Variant: This variant (2) differs in the 3' UTR and contains an alternate exon in the 3' coding region resulting in a frameshift compared to variant 1. The encoded isoform (2) is longer, and has a distinct C-terminus, 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.