

Product datasheet for **RG212796**

GALNT17 (NM_022479) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	GALNT17 (NM_022479) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	GALNT17
Synonyms:	GalNAc-T5L; GalNAc-T17; GalNAc-T19; GALNACT17; GALNT16; GALNT20; GALNTL3; WBSCR17
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG212796 representing NM_022479
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCTTCACTGAGAAGAGTCAAAGTGCTGTTGGTGTGAACCTGATCGCGGTAGCCGGCTTCGTGCTCT
 TCCTGGCCAAGTGCCGGCCATCGCGGTGCGCAGCGGAGACGCCTTCCACGAGATCCGGCCGCGCCGA
 GGTGGCCAACCTCAGCGCGCACAGCGCCAGCCCATCCAGGATGCGGTCTGAAGCGCTGTGCTGCTG
 GAGGACATCGTGTACCGGACGTGAATGGCTTATCCAAATCCCTGGGCTCATTGAAGGTTATGGTGGC
 GGGGTAAGGGGGCCTCCGGCTACTCTTCCCGGCTGAAGAAGAAAAGGCTAAGGGACCCCATGAGAA
 GTATGGCTACAATTCATACCTCAGTGAATAATTTCACTGGACCGTTCATTCCGGATTATCGTCCCACC
 AAGTGAAGGAGCTCAAGTACTCCAAGGACCTGCCCCAGATATCCATCATATTCTTCGTGAACGAGG
 CCCTGTCGGTGATCCTGCGGTCCGTGCACAGTCCGTCATCACACGCCACACACCTGTGAAGGAAAT
 CATTCTGGTGGATGACAACAGCGACGAAGAGGAGCTGAAGGTCCCCTAGAGGAGTATGCCACAAACGC
 TACCCCGGGCTGGTGAAGGTGGTAAGAAATCAGAAGAGGGAAGGCCTGATCCGCGCTCGCATTGAGGGCT
 GGAAGGTGGCTACCGGGCAGTCACTGGCTTCTTTGATGCCACGTGGAATTCACCGCTGGCTGGCTGA
 GCCGGTCTATCCCGCATCCAGGAAAACCGAAGCGTGTGATCCTCCCCTCCATTGACAACATCAAACAG
 GACAACCTTGGAGTGCAGCGGTACGAGAACTCGGCCACGGGTACAGCTGGGAGCTGTGGTGCATGTACA
 TCAGCCCCCAAAGACTGGTGGGACCGCGGAGACCTTCTCTCCCCATCAGGACCCAGCCATGATAGG
 CTGCTCGTTCTGGTCAACAGGAAGTCTTCGGTGAATGGTCTTCTGGATCCTGGCATGGATGTATAC
 GGAGGAGAAAAATTGAAGTGGGAATCAAGGTATGGCTCTGTGGGGCAGCATGGAGTCCCTTCTTGT
 CACGGGTGGCCACATTGAGCGGAAGAAGCCATATAATAGCAACATTGGCTTCTACACCAAGAGGAA
 TGCTCTTCGCGTTGCTGAGGTCTGGATGGACGATTACAAGTCTCATGTGTACATAGCGTGGAACTGCCG
 CTGGAGAATCCGGGAATTGACATCGGTGATGTCTCCGAAAGAAGAGCATTAAAGAAAAGTTAAAGTGTA
 AGAATTTCCAGTGGTACCTGGACCATGTTTACCCAGAAATGAGAAGATACAATAATACCGTTGCTTACGG
 GGAGCTTCGCAACAACAAGGCAAAGACGTCTGCTTGGACCAGGGGCCGCTGGAGAACCACACAGCAATA
 TTGTATCCGTGCCATGGCTGGGACCACAGCTTGCCTGACACCAAGGAAGGCTTCTGCACTTGGGTG
 CCCTGGGACCACCACACTCCTCCCTGACACCCGCTGCCTGGTGGACAACTCCAAGAGTCGGCTGCCCA
 GCTCCTGGACTGCGACAAGGTCAAGAGCAGCCTGTACAAGCGCTGGAACCTCATCCAGAATGGAGCCATC
 ATGAACAAGGGCACGGGACGCTGCCTGGAGGTGGAGAACCAGGGCCCTGGCTGGCATCGACCTCATCTCC
 GCAGCTGCACAGGTCAGAGGTGGACCATTAAGAACTCCATCAAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG212796 representing NM_022479
 Red=Cloning site Green=Tags(s)

MASLRVKVLLVLNLIIVAGFVLFVFLAKCRPIAVRSGDAFHEIRPRAEVANLSAHSASPIQDAVLKRLSLL
 EDIVYRQLNGLSKSLGLIEGYGGRGKGLPATLSPAEEEEKAKGPHEKYGYNSYLSEKISLDRSIPDYRPT
 KCKELKYSKDLPLQISIIIFVNEALSVILRSVHSVHNHTPHLLKEIILVDDNSDEEELKVPLEEYVHKR
 YPGLVKVVRNQKREGLIRARIEGWKQVATGQVTGFFDAHVEFTAGWAEPVLSRIQENRKRVLPSIDNIKQ
 DNFEVQRYENSAHGYSWELWCMYISPPKDWWDAGDPSLP IIRTPAMIGCSFVVRKFFGEIGLLDPGMDVY
 GGENIELGIKVLWCGGSMEVLPCSRVAHIERKKKPYNSNIGFYTKRNALRVAEVMDDYKSHVYIAWNLPL
 LENPGIDIGDVSERRALRSLKCKNFQWYLDHVYPEMRRYNNNTVAYGELRNNKAKDVCLDQGPLNHTAI
 LYPCHGWGPQLARYTKEGFLHLGALGTTLLPDTRCLVDNSKSRPLQLLDCDKVKSSLYKRWNFIQNGAI
 MNKGTGRCLEVENRGLAGIDLILRSCTGQRWTIKNSIK

TRTRPLE - GFP Tag - V

Restriction Sites:

SgfI-MluI

Cloning Scheme:


ACCN: NM_022479

ORF Size: 1794 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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_022479.3](#)

RefSeq Size: 3298 bp

RefSeq ORF: 1797 bp

Locus ID: 64409

UniProt ID: [Q6IS24](#)

Cytogenetics: 7q11.22

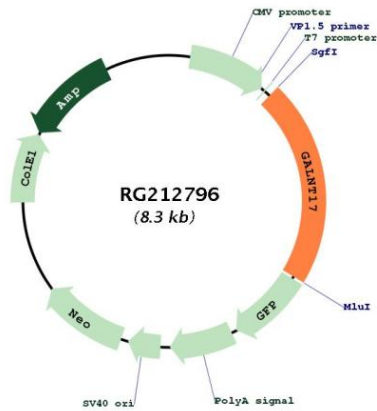
Domains: RICIN, Glycos_transf_2

Protein Families: Transmembrane

Protein Pathways: Metabolic pathways, O-Glycan biosynthesis

Gene Summary: This gene encodes an N-acetylgalactosaminyltransferase. This gene is located centromeric to the common deleted region in Williams-Beuren syndrome (WBS), a multisystem developmental disorder caused by the deletion of contiguous genes at 7q11.23. This protein may play a role in membrane trafficking. [provided by RefSeq, Jan 2013]

Product images:



Circular map for RG212796