

Product datasheet for **MC200863**

Galnt11 (BC011428) Mouse Untagged Clone

Product data:

| | |
|---------------------------|---|
| Product Type: | Expression Plasmids |
| Product Name: | Galnt11 (BC011428) Mouse Untagged Clone |
| Tag: | Tag Free |
| Symbol: | Galnt11 |
| Synonyms: | A430075I06Rik; A1648252; E430002F06Rik |
| Mammalian Cell Selection: | Neomycin |
| Vector: | PCMV6-Kan/Neo (PCMV6KN) |
| E. coli Selection: | Kanamycin (25 ug/mL) |



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Fully Sequenced ORF: >BC011428
 GTCGTGGGCCGCGTCGCGCGCCGCGGCTCGTGCGGCTCGGCCCGGGCTGTGGCGGGAGCGGAGATGCCGC
 AGCCCGTGGCCCTGGAGCGCCGCTATCCCGGCTGCGGGTGTGCGGAAACTGAAAATGGCCTTTGAGCTA
 TGCTAGGTCTATAATGGGAAGCATCACAGTTCGATATTTTTGTTATGGGTGCCTTTTACATCTGCTACC
 TGGACAGTTCTGCTTTTCATTTATTTAACTTCAGTGAAGTGACTCAGCCCTTAGGAATGTGCCATCA
 AGGGTCTGGGCCACGGGCCATTTCCAAAAAATTCACCCAGTTTCACTCGAGGTCAGGTCGGGT
 ATTAGTCCACAGTTCAAAGCAAACAGAATCGACCGTTTGTGAATAATCACATTTGAAGATCCAGATAAA
 GGCTCTCAAAAATCTTCTGAACTAGGTATGATTTTCAATGAACGTGATCAGGAATTGAGAGACCTGG
 GCTACCAGAAGCACGCTTTAATATGCTCATTAGTAACCGCTTGGGATACCACAGAGACGTGCCGGACAC
 CAGGAATGCAGAGTGTAGGAGGAAGTCTACCCGACTGACCTGCCAACTGCTAGCATTGTCATCTGTTTC
 TACAATGAAGCCTTTTCTGCCTTACTGCGGACTGTGCACAGTGTGTGGACCGCACACCGGCCACCTTC
 TTCATGAGATCATCCTTGTGGATGACAGCAGTACTTTGATGATTTAAAAGGAGAACTGGATGAGTACAT
 CCAAAGATACCTGCCTGCAAAAGTCAAGGTCATAAGAAATATGAAGCGCGAGGGATTGATCCGAGGACGA
 ATGATCGGAGCAGCCACGCTACAGGAGAAGTCTGGTGTTCCTGGACAGCCACTGTGAAGTGAATGTGA
 TGTGGTTACAGCCCTGTGGCCATTATCCTTGAGGACCCACACAGTGGTGTGCCCGTGATTGACAT
 CATCAGTGCAGACACACTCGCTTACAGCTCATCCCAAGTGTTCGGGGAGGTTTCAACTGGGGGCTGCAC
 TTCAAGTGGGATCTAGTCCCCTATCTGAGCTGGGAGGCCCTGACGGCGCCACGGCCCAATAAGGTCAC
 CTAACATGGCTGGAGGCTTGTGGCCATGAACAGACAGTATTTCAATGATCTTGGACAGTATGACAGTGG
 CATGGATATCTGGGGAGGAGAAAATCTGAAAATCTCATTTGCGATCTGGATGTGTGGCGCAAGCTTTC
 ATCCTCCCTTGTCAAGAGTAGGACACATTTTCCGAAAAGGCGACCGTACGGATCTCCGGAAGGCCAGG
 ACACCATGACACAACTCCCTGAGACTGGCACATGTCTGGCTGGATGAGTACAAGGAGCAATATTTTTC
 CTTAAGACCTGATTTGAAGAACAAAAGCTTCGGAATATCAGTGAAGCGTGTGAATTGAGGAAGAACTG
 GGCTGTCAAGTGGTATTTGGATAATATTTACCTGAGATGCAGATACTGGCCGAATGCCA
 AACCTCAGCAGCCGTTCTCATCAACAGAGGACCCAAAGCGCCCAAGTCTGCAGCGTGAAGGCTCTA
 CCACTTGACAGCAACAAATGCCTGGTGGCCAGGGCCGCTCCAGCCAGAAAGGAGGCTAGTGCTGCTT
 AAGACCTGTGACTACGGAGACCCAACTCAGGTCTGGATTATAATGAAGACCATGAATTGATTTAAACA
 ACCTCCTTTGCCTTGACATGTCAGAAACTCGCTCATCGGATCCACCCGACTCATGAAGTCCATGGGTC
 AGGAGGATCCCAGCAGTGGACCTTTGGGAAGAACAACCGGCTGTACCAAGTGTCCGTTGGGCAGTGCCTG
 AGAGTTATGGACCTGATGGATCAGAAGGGCTACGTTGGCATGGCGATCTGCGATGGCTCCTCCTCAAC
 AGTGGCGTCTAGAAGGTTAAAGTGGGCCCTGGCTGGACACAACATAATTCACCTGGTTTTGTCATGCCT
 GCCATAAATCAAGGTGCTTAAAGTTGCTGACTGCAGCAGACAAGAACCTTGGTGGAGGGCGACCATCTC
 AGGAGCGCCACTGGGATTTGGGTTACTCCGAGCTGCTGTTAAGGGATTCTGTTTATCCAGGGAAAAC
 AGAAAATAATTCTAAAGAGTTGGGCTACAGAGTATAAACCCAGGAAGTAGGCATTTGTATTCATATTTA
 TGTTTTTCGCAATCTCCCTTGGAGATGGAATTGTTTCTGTCCAATCAGGAACTTGTACAAATTTCTTTTC
 ATAGAGGACTTCATAAGAGATTTTTTCTATTTCTATCATGCCTAATGTTCCAAATAGATTTTAAAAACT
 GGTTGAGTGCATATTACTTTTAGCTTCAGAAAGATATCATGTATATTTAAGAGGCATTTAACTATTATAAA
 TTTTTTATGACTTAATATTGTCTGTCTACATTAATAAAGGATCTTTTTGATCATTAAAAA
 AAAAAAAAAAAAAAAAAA

Restriction Sites: RsrII-NotI

ACCN: BC011428

Insert Size: 1827 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: [BC011428](#), [AAH11428](#)

RefSeq Size: 2539 bp

RefSeq ORF: 1827 bp

Locus ID: 231050

Cytogenetics: 5 A3

Gene Summary: Polypeptide N-acetylgalactosaminyltransferase that catalyzes the initiation of protein O-linked glycosylation and is involved in left/right asymmetry by mediating O-glycosylation of NOTCH1. O-glycosylation of NOTCH1 promotes activation of NOTCH1, modulating the balance between motile and immotile (sensory) cilia at the left-right organiser (LRO). Polypeptide N-acetylgalactosaminyltransferases catalyze the transfer of an N-acetyl-D-galactosamine residue to a serine or threonine residue on the protein receptor. Displays the same enzyme activity toward MUC1, MUC4, and EA2 than GALNT1. Not involved in glycosylation of erythropoietin (EPO) (By similarity).[UniProtKB/Swiss-Prot Function]