

## Product datasheet for **RN216994**

### **Galnt11 (NM\_001271319) Rat Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Galnt11 (NM_001271319) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Galnt11
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >RN216994 representing NM\_001271319  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGATGGGCAGTGTACAAATTCGATATTTCTGCTACGGGTGCCTCTTTACATCTGCTACCTGGACAGTTC  
 TGCTTTTCATTTATTTAACTTCAGTGAAGTGAAGTCAAGCCCTTAGGAATGTGCCATCAAGGGTCTGG  
 GCCCATGGGCCGTTTCCAAAAAATTCTACCCAGTTCCTCACTCGAGGTCCAGGCCGAGTATTAGAGCCA  
 CAGTTCAAAGCAAACAGAATGGACGATTTGATGAATAATAACATTGAAGATCCAGATAAAGGCCTCTCAA  
 AATCTTCTCTGAGCTAGGTATGATTTTCAATGAACGTGATCAGGAATTGAGAGACCTGGCTACCAGAA  
 ACACGCCTTTAATATGCTCATTAGTAACCGCTTGGGTACCACAGAGACGTGCCAGACACCAGGAATGCA  
 GAGTGTAGGGGAAGTCTACCCAAGTACCTGCCAAGTCTAGCGTTGTTATCTGTTTCTACAACGAAG  
 CTTTTTCTGCCTGTTGGGACTGTGCACAGTGTGTGGACCGCACGCCGGCACACCTTCTCCATGAGAT  
 CATCCTCGTGGATGACAGCAGTACTTTGATGATTTAAAAGGAGAACTAGATGAGTACATCCAAAGATAC  
 CTGCCCGCAAAGGTCAAGGTATAAGAAATATGAAGCGAGAGGGACTGATCCGAGGAAGAATGATTGGAG  
 CAGCCACGCTACAGGAGAAGTCTGGTCTTCTGGACAGCCACTGCGAAGTGAATGTGATGTGGTTACA  
 GCCCTTCTGGCCATCATCCTTGAAGACCCACATACAGTGGTGTGCCCTGTGATTGACATCATCAGTGT  
 GACACACTCGCTTACAGTTCATCCCAAGTGGTTCGGGGAGGTTTCAACTGGGGGCTGCACCTCAAGTGGG  
 ATCTAGTTCCTGTATCTGACCTGGGAGGCGCAGACAGTCCACAGCCCAATACGGTCACTACAATGGC  
 CGGAGGACTGTTGCCATGAACAGACAGTATTTCAATGATCTTGGACAGTATGACAGTGGCATGGATATC  
 TGGGGAGGAGAAAATCTGGAAATCTCATTTCGGATCTGGATGTGGCGGCAAGCTTTCATCATCCCTT  
 GCTCAAGAGTCGGGCACATTTTTCGAAAAGGCGACCGTATGGATCTCCTGAAGGCCAGGACCCATGAC  
 ACACAACCTCGCTGAGACTGGCACATGTGTGGCTGGATGAGTACAAGGAGCAGTATTTTTCTTAAGACCT  
 GATTTGAAGACCAAAAGCTTTGGGAATATCAGCGAGCGTGTGAATTGAGGAAGAACTGGGCTGTCACT  
 CGTTCAAGTGGTATTTGGATAATGTTTACCCTGAGATGCAGGTGTCTGGTCCGAAGGCCAGACTGCAGCA  
 GCCCGTGTTCATCAACAGAGGACCGAAGCGCCCCAGAGTCTGCTGCGTGAAGGCTCTACCACTTGCA  
 ACCAACAAATGCCTGGTGGCCAGGCGCCCTCCAGCCAGAAAGGAGGCTGGTGTGCTTAAAGCCCTGTG  
 ACTACGGAGACCAACTCAGGTCTGGATTTACAACGAAGAGCATGAATTGATCTTAAACAACCTCCTTTG  
 CCTCGACATGTCAGAAACCCGCTCGTCAGACCCTCCTCGACTCATGAAGTCCACGGGTGAGGAGGTCG  
 CAGCAGTGGACCTTTGGGAAGAACAATCGGCTGTACCAAGTGTGCGTTGGGCAGTGCCTGAGAGTTGTGG  
 ACCAGATGGATCAGAAGGCTACGTCGGCATGGCGATCTGTGATGGCTCCTTCCCAACAGTGGCGCT  
 AGAAGGCTAA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI

**ACCN:** NM\_001271319

**Insert Size:** 1830 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:** Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.

**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\\_001271319.1](#), [NP\\_001258248.1](#)

**RefSeq Size:** 2667 bp

**RefSeq ORF:** 1830 bp

**Locus ID:** 311952

**Cytogenetics:** 4q11

**Gene Summary:** mouse homolog is a member of the UDP-GalNAc:polypeptide N acetylgalactosaminyltransferase (ppGaNTase) family, which transfers GalNAc to serine and threonine sites and plays a role in mucin-type O-glycosylation [RGD, Feb 2006]  
Transcript Variant: This variant (1) represents the longer transcript. Both variants 1 and 2 encode the same protein. Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.