

## Product datasheet for **RN205695**

### **Galnt1 (NM\_024373) Rat Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Galnt1 (NM_024373) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Galnt1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >RN205695 representing NM\_024373  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGAGAAAATTTGCATATTGCAAGTGGTTCTAGCCACCTCCTTGGTTTGGTACTCTTGGATATGTTCC  
 TGCTGCTTTACTTCAGTGAATGCAACAAATGTGAAGAGAAGAAGGAGCGAGGGCTTCCTGCTGGGATGT  
 TCTAGAGCTGGTGCAGAAGCCTCACGAAGTCTGGAGAATGGGAAAACCAAGTCGTCATTCTAAAGAG  
 GATCAGGAAAAGATGAAAGAGATGTTCAAAATCAACCAGTTAACCTAATGGCGAGTGAGATGATTGCAT  
 TCAACAGATCCTTACCAGACGTGAGGCTAGAGGGGTGTA AAAACAAAAGTGTACCCAGATAGCCTTCTAC  
 GACAAGCGTGGTATTGTCTTTCAATGAGGCGTGGAGCACCTCCTGCGAACAGTCCACAGTGCATT  
 AACCGCTACCAAGACACATGATAGAAGAGATTGTTCTGTAGACGATGCCAGCGAAAGAGACTTTTTGA  
 AAAGACCTCTAGAGATTATGTAAAAAGCTTAAAGTCCAGTTCATGTAATTCGAATGGAACAACGTTCC  
 TGGGTTGATCAGAGCTAGATTAAGAGGAGCTGCTGTGTCAAAGGCCAAGTGATCACCTTCTTAGATGCT  
 CACTGCGAGTGCACAGTAGGGTGGCTGGAGCCTCTGTTAGCCCGATCAAACATGACAGGAGGACAGTGG  
 TGTGTCCTATCATCGATGTGATCAGTGTGACACTTTTGTAGTACATGGCGGGCTCTGATATGACCTATGG  
 TGGATTCAACTGGAAGCTCAATTTCCGTTGGTATCCTGTTCCCAACGAGAAAATGGACAGAAGGAAAGGT  
 GACCGGACTCTTCTGTGAGAACACCTACAATGGCTGGAGGCCTGTTTTCAATAGACAGAGATTACTTTC  
 AGGAAATTGGAACATATGATGCTGGAATGGATATTTGGGGAGGAGAAAACCTAGAAATTTCTTTAGGAT  
 TTGGCAGTGTGGAGGGACTCTGGAATAGTGACGTGCTCCACGTTGGCCATGTGTTTCGGAAAGCTACG  
 CCGTACACGTTCCCGGTGGCACGGGGCAGATCATCAACAAGAATAACAGACGGCTCGCGGAGGTGTTGA  
 TGGATGAATTCAGAATTTCTTCTACATAATTTCTCCAGGTGTTACAAAGGTAGATTATGGTGATATATC  
 ATCAAGAGTCGGTCTGAGACATAAACTACAGTGAAGCCTTTCTTTGGTACCTAGAAAATATTTATCCC  
 GATTCTCAAATTCCTCGTCACTATTTCTATTGGGAGAGATACGAAATGTGGAACAAATCAATGTCTAG  
 ATAACATGGCTAGAAAAGAGAATGAAAAGGTTGGAATTTTTAATTGTCATGGTATGGGAGGCAATCAGGT  
 TTTCTTTACTGCAACAAAGAAATAGAACAGATGACCTTTGTTGGACGTTTCCAACTTAATGGC  
 CCAGTTACCATGCTCAAATGCCACCACATAAAAGGCAACCAGCTCTGGGAGTATGACCCAGTGAAATTA  
 CCCTGCAGCATGTGAACAGTAACCAGTGCCTGGATAAAGCCACAGAAGAGGACAGCCAGGTGCCAGCAT  
 CAGAGACTGCACTGGAAGCCGGTCCAGCAGTGGCTTCTCGAAATGTCACCTTCCAGAAATATTC**TGA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI

**ACCN:** NM\_024373

**Insert Size:** 1680 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\\_024373.1](#), [NP\\_077349.1](#)

**RefSeq Size:** 1838 bp

**RefSeq ORF:** 1680 bp

**Locus ID:** 79214

**UniProt ID:** [Q10473](#)

**Cytogenetics:** 18p12

**Gene Summary:** catalyzes the transfer of N-acetylgalactose to protein serine and threonine residues in the first step of O-glycan biosynthesis [RGD, Feb 2006]