

## Product datasheet for **MC219901**

### **Galnt3 (NM\_015736) Mouse Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Galnt3 (NM_015736) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Galnt3
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >MC219901 representing NM\_015736  
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGCATCGCC**

ATGGCTCACCTTAAGCGACTAGTAAAATTCACATTAAGAGCATTACCACAGAAAGTTCTGGAAGCTGG  
GTGCAGTCATCTTTTCTTTTAGTAGTTCTGATTTAATGCAAAGAGAAGTAAGTGTTTCAGTATCCAA  
GGAGGAATCAAAGATGGAGAGGAAGTTGAAAAACAAAAACAAAATGTTGGATTTTATGCTCGAAGCTGTA  
AATAATATTAAGATGCAATGCCAAAGATGCAAAATAGGAGCGCCCATTAAGGAGAATATCGACGTCGCCG  
AGAGACCTGTCTGCAAGGTTACTACACAGCCGCGGAGTTGAAGCCGGTTTTTGTATCGCCACCTCAGGA  
TTCTAACGCACCTGGTGTCTTGCAAGCCGTTTAAAGTACCCACCTCAGCCCGGAGGAGCAGAAGGAG  
AAAGAGCGAGGGAAACGAAGCACTGCTCAACGCCTTGAAGTACAGAAATTTCTCTGCACCGGGACC  
TTGGCCCTGACACCCGACCCTGAATGTATTGAACAAAAATTAAGCGCTGCCCGCCCTGCCTACCAC  
CAGTGTACATAATAGTCTTTCACAATGAAGCATGGTCCACGCTGCTTAGGACCGTCCACAGTGTGCTCTAT  
TCTTCACCTGCCATACTGCTGAAGGAGATCATTTTGGTGGATGATGCTAGTGTAGACGACTACCTGCATG  
AAAAGCTGGAGGAATACATAAAACAGTTTTCTATTGTGAAAATAGTCAGGCAGCAAGAAAGGAAAGGCT  
GATCACCGCGCGGTTGCTAGGGGACGCTGAGCAACTGCCGAGACGCTCACGTTCTTAGATGCTCACTGT  
GAGTGTCTCTATGGCTGGCTGGAACCTCTGCTGGCCAGGATAGCTGAGAACTACACTGCCGTGGTGAATC  
CAGACATCGCATCCATAGATCTAAACACATTTGAATCAACAAGCCTTCTCCGTACGGAAGCAACCATAA  
CCGTGGAAATTTGACTGGAGCCTTTCTTTGGCTGGGAGTCACTTCTGATCATGAGAAGCAAAGAAG  
AAAGATGAAACCTACCAATTAAGACCCACCTTGCAGGAGGCCTTTTTCTATATCTAAAAATATT  
TTGAGCACATTGGAAGTTACGATGAAGAAATGGAATCTGGGAGGTGAAAATATAGAAATGTCATTCCG  
AGTGTGGCAATGTGGTGGCAGTTGGAGATTATGCCTTGCTCTGTTGTTGGACATGTTTTTCGCAGCAAA  
AGCCCTCATACCTTCCAAAAGGCACGCAGGTGATTGCTCGTAACCAAGTTCGCCTTGCAGAGGTCTGGA  
TGGACGAATACAAGGAAATATTTTATAGGAGAAACACAGATGCAGCAAAAATCGTTAAGCAAAAATCATT  
TGGTGTCTTTCCAAAAGATTTGAAATAAAGAAACGCCTTCAAGTGTAAAAATTTTACCTGGTACCTGAAC  
ACTATTTACCGGAAGCGTATGTGCCAGACCTAATCCTGTTATATCTGGATATATTAAGAGTGTGGGTC  
AACCTTTATGTCTGGATGTTGGTGAAGAATAACCAGGGAGGCAAACCATTGATTCTGTACACGTGCCACGG  
CCTCGGGGAAATCAGTACTTCGAGTATTCTGCTCAGCGTAAAATCCGGCACAACATCCAGAAGGAGCTG  
TGTCTTATGCTACTCAGGTGTGCTCCAGCTGAAGGCATGTGTCTATAAAGGTCACAGGACCATCGCCC  
CTGGAGAACAGATATGGGAGATTCGGAAGGACCACTTCTATATAATCCATTATTTAAAAATGTGCCTTTC  
ATCAAATGGAGAGCATCCAACTTAGTGCCATGTGACGCAACAGATCTACTCCAAAAATGGATTTTATAG  
CAAATGATTAA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI

**ACCN:** NM\_015736

**Insert Size:** 1902 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\\_015736.2](#), [NP\\_056551.2](#)

**RefSeq Size:** 3684 bp

**RefSeq ORF:** 1902 bp

**Locus ID:** 14425

**UniProt ID:** [P70419](#)

**Cytogenetics:** 2 C1.3

**Gene Summary:** Catalyzes the initial reaction in O-linked oligosaccharide biosynthesis, the transfer of an N-acetyl-D-galactosamine residue to a serine or threonine residue on the protein receptor. Has activity toward HIV envelope glycoprotein gp120, EA2, Muc2 and Muc5. Glycosylates FGF23 (By similarity). Probably glycosylates fibronectin in vivo. May be involved in phosphate homeostasis.[UniProtKB/Swiss-Prot Function]