

Product datasheet for **MC205971**

Galnt1 (BC056215) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Galnt1 (BC056215) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Galnt1
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >BC056215
 GACAAGAGGTAATCCGGCGCCTTCGTTTTAGCCGCCCGCAGCCGACTCGCCGAGGCTTTACTCGTTGC
 CGCCGCTTTTGTCCGCACACAGATGATTTGAGACATGTGGATTTGTGATGAATTCATTTGGAAAGCCA
 CTTTGGGGCTATGACTGTGATTTCTGATGAAACCAAATTTGGAATAATTTTCATGATATTTGTATATTTAT
 ATCTATATATATTTAAAATTTTACATTTGACTTAAAGTGCCATGAGAAAATTTGCATATTGCAAGGTGG
 TTCTAGCCACCTCCTTGGTTTGGGTACTCTTGGATATGTTCTCTGCTGCTTTACTTCAGTGAATGCAACAA
 ATGTGAAGAGAAGCAGGAGAGAGGACTTCTGCTGGTGACGTTCTAGAGCTAGTGCAAAAACCTCATGAA
 GGTCTGGAGAAAATGGGAAACCGTCGTCATTCCGAAAAGAGGATCAAGAAAAGATGAAAGAGATGTTTA
 AAACCAATCAGTTCAACTTAATGGCAAGTGAGATGATTGCACTCAACAGATCCTTACCAGATGTGAGGTT
 AGAGGGGTGTA AAAACAAAGGTGTATCCAGATAACCTTCCTACAACAAGTGTTGGTATTGTTTTCCACAAT
 GAGGCATGGAGCACACTTCTGCGAACAGTCCATAGTGTCATTAATCGCTCGCAAGACATATGATAGAAG
 AGATTGTTCTGTAGATGATGCCAGTGAAGAGACTTTTTGAAAAGACCTCTAGAGAGTTATGTGAAAAA
 ACTGAAAGTGCCGGTTCATGTAATTCGAATGGAGCAGCGCTCTGGGTTGATCAGAGCTAGATTGAAAGGA
 GCTGCTGTGCCAGAGGCCAAGTGATCACCTTCTTAGATGCTCACTGTGAATGCACCGCAGGGTGGCTGG
 AGCCTCTGTTGGCCGGATCAAACATGACAGGAGGACAGTGGTGTCTATCATCGACGTGATCAGTGA
 TGACACTTTCAGATACATGGCGGCTCTGACATGACCTATGGTGGCTTCAACTGGAAGCTCAATTTTCGT
 TGGTATCCTGTTCCCGAGCGAGAAATGGACAGACGGAAAGGTGACAGGACTCTTCTGTGCAACACCTA
 CAATGGCTGGAGGCTTTTTTCAATAGACAGAGATTACTTTCAGGAAATTTGGAACATACGATGCTGGAAT
 GGATATTTGGGGAGGAGAAAACCTAGAAATTTCAATTTAGGATTTGGCAGTGTGGAGGAACTTTGAAATA
 GTGACATGCTCCCATGTTGGTCAATGTTTTCGAAAAGCTACACCTTACACATTTCCAGGAGGGACAGGGC
 AGATTATCAATAAGAATAACAGGCGGCTTGCAAGATGATGGATGGATGAATTCAGAAATTTCTTCTATAT
 AATTTCTCCAGGTGTTACAAAGGTAGATTATGGAGATATATCATCAAGACTTGGCCTAAGACGTAACCTA
 CAATGCAAACCTTTCTCTTGGTACCTAGAAAATATTTACCTGATTCTCAAATTTCTCGTCACTATTTCT
 CATTGGGAGAGATACGAAATGTGGAACAAATCAGTGTCTAGATAACATGGCTAGAAAAGAGAAATGAAAA
 GGTGGAATCTTTAATTGTCATGGTATGGGAGGTAATCAGGTTTTCTCTACACTGCCAACAAAAGAAAT
 AGAACAGACGACCTTTGTTTGGACGTTTCCAACTTAATGGCCAGTCACCATGCTCAAATGCCACCACC
 TAAAAGGCAACCAGCTCTGGGAGTATGACCCAGTGAATTAACCTGCAGCATGTGAACAGCAATCAGTG
 CCTGGATAAAGCCACAGAGGAGGACAGCCAGGTGCCAGCATTAGAGACTGCACTGGAAGCCGGTCCCAG
 CAGTGGCTTCTCGAAACGTCAACCTTCCAGAAAATTTCTGAGACCAAATTTACAACAACAAAGAAAGAA
 GGAAGGATTGACTGGGCTACCTCAGCATACATTCTGCCACATTCTCAGTAGCAAAAAGGAAAGTGCTT
 CCCTCTTCTGTGGGATGTTAAGGTTTCTCAGCCATTA AAAACTCAGACTCCTAGCTTTTCACTTGCTGTGA
 ACCGGCCTTCTGTCCCAGGACGTGCGACTGCAAAGTAGCGAGACTGTGCACACTGATGTTTACAAGGCT
 GGAAGAGTCTTCAAGAGCAGCGCAAAAGCCTTCAGATCCCAAACAGGCGCACGAGCGCTCTCGGGAT
 AGATGCACTTTCTACAGCGTGGGTGCACGTCAGCCGTTTCTGCTGAATGTGCCTTGTGAAGAAGATTTT
 CCTGATTAGAATCAGTAGCTGGAATATTAATATTGATAGAAAAGTAAGTGGAAAAGAGCTGGAACCAGG
 TTCAGAATCATGAAAACATTTTTACAACAATAAAAATTATGTCAAACAGGGTTTAAAGGAAATTA AAAAG
 AATTTATGAGAAGTACAATTTGTTATAGTATAGTATGAGATTTCTATATAGATTTTATACCTCAGTGGGA
 AAAACTGATTCCAGTGATGTTGATGTTGTTTTCATCTGTGATAGTCATGGATGCTTCTATTTTCTCGGG
 GTGCTCAGAGTGAGATAGTGGGTGGGTGAGCTCTGAAACATAGTTTGAATTTCTTTTACAATATTCT
 TATTTGGTTTGTGGGCTGTTGGAATTGTAAGTTAATTGCCATTCTTTAAAAAAAAAAAAAAAA

Restriction Sites: EcoRI-NotI

ACCN: BC056215

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:	<ol style="list-style-type: none">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:	<u>BC056215, AAH56215</u>
RefSeq Size:	2722 bp
RefSeq ORF:	1680 bp
Locus ID:	14423
Cytogenetics:	18 A2
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 a broad spectrum of substrates for peptides such as EA2, Muc5AC, Muc1a, Muc1b and Muc7. [UniProtKB/Swiss-Prot Function]