

Product datasheet for **MC218529**

Galnt2 (BC053063) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Galnt2 (BC053063) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Galnt2
Synonyms:	A1480629
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

Fully Sequenced ORF: >BC053063
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGCCCTCCACAACCCACAGGGTGACTGGAATGACATCGACTCCATTAAGAAGAAAGACCTTCACCACA
 GCAGAGGAGATGAGAAAGCACAGGGTGTGGAGACCCTCCCTCCAGGCAAAGTCCGGTGGCCAGACTTTAA
 CCAGGAGGCATACGTTGGCGGTACAATGGTTTCGCTCTGGGCAGGACCCGTACGCACGCAACAAGTTCAAC
 CAGGTGGAGAGTGACAAGCTGCACATGGACAGAGGCATCCCCGACACCCGGCATGACCAGTGTGAGCGCA
 AGCAGTGGCGAGTGGACCTGCCAGCCACCAGCGTGGTATCACATTCCACAATGAAGCCAGGTGCGCCCT
 GCTGCGGACGGTGGTCAAGAGGAGTCCACCTCACCTCATCAAGGAGATAATCTGGTGGAT
 GACTACAGCAACGACCCTGAGGACGGGGCCCTCTGGGGAAAATCGAGAAGGTGCGGGTCTCAGAAATG
 ACCGGAGAGAAGGTCTAATGCGCTCTCGGGTCCGGGTGCCGACGCCAGGCCAAGGTCTGACCTT
 CCTAGACAGTCACTGCGAGTGTAAAGAGCGATGGCTGGAGCCACTTTGGAGCGGTTGCTGAGGACAGG
 ACCCGAGTTGATCCCCATTATCGATGTCATTACATGGATAATTTCCAGTATGTGGGCGCCTCTGCTG
 ACCTCAAGGGTGGTTTTGACTGGAACCTGGTGTCAAGTGGGATTACATGACACCAGAGCAGAGGCGATC
 CCGGCAGGGGAACCCAGTTGCCCTATAAAAACTCCGATGATCGCTGGCGCCTCTTCGTGATGGACAAG
 CTCTATTTTGAAGAGCTGGGGAAGTACGACATGATGATGGACGTGTGGGAGGAGAGAAGTTGGAGATCT
 CATTCCGAGTGTGGCAGTGTGGTGGCAGCCTGGAGATCATCCCGTGCAGCCGCGTGGGCCACGTGTTCCG
 GAAGCAGCATCCCTACACGTTCCCCGGTGGCAGCGGCACTGTCTTTGCCCGGAACACACGCCGGGACGT
 GAAGTCTGGATGGATGAGTACAAACATTTCTACTACGACGCGTGCCTTCTGCACGAAACGTGCCCTATG
 GGAATATTCAGAGCAGGCTGGAGCTCAGGAAAAAGCTGGGCTGCAAGCCCTTCAAGTGGTACCTGGACAA
 CGTCTACCCGGAGCTGAGGGTTCCAGACCACCAGGACATAGCTTTCGGGGCCTTACAGCAGGGAACCAAC
 TGCTGGACACCTTGGGACACTTCGCGGATGGAGTTGTTGGAATTTATGAGTGTACAACGCTGGAGGAA
 ACCAGGAATGGGCCTTGACAAAGGAGAAGTCGGTGAAGCACATGGACCTGTGCCTTACTGTGGTGGACCG
 TTCGCTGGGTCACTCATCAGGCTGCAGGGTCCCGGAGAACGACAGCAGACAGAAGTGGGAGCAGATC
 GAAGGCAACTCCAACTGCGACACGTGGGAGCAACCTGTGCCTGGATAGCCGACTGCCAAGAGCGGAG
 GCCTGAGTGTGGAGGTGTGGCCCGCCCTGTACAACAGTGAAGTTCTCACTCAACCTGCAGCAATA
 A

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCTGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul

ACCN: BC053063

Insert Size: 1611 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: [BC053063](#), [AAH53063](#)

RefSeq Size: 3975 bp

RefSeq ORF: 1610 bp

Locus ID: 108148

Cytogenetics: 8 E2

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. Probably involved in O-linked glycosylation of the immunoglobulin A1 (IgA1) hinge region (By similarity). [UniProtKB/Swiss-Prot Function]