

Product datasheet for **MC219212**

Galnt2 (NM_139272) Mouse Untagged Clone

Product data:

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|--------------------|---|
| Product Type: | Expression Plasmids |
| Product Name: | Galnt2 (NM_139272) Mouse Untagged Clone |
| Tag: | Tag Free |
| Symbol: | Galnt2 |
| Synonyms: | A1480629 |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |
| Cell Selection: | Neomycin |



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Fully Sequenced ORF: >MC219212 representing NM_139272
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCGCGCGCGCTCGCGGATGCTGCTGTGCTTCGCGCTGCTCTGGGTCTGGGCATCGCCTACTACATGT
 ACTCGGGGGCGGCTCCGCGCTGGCCGCGGGCGGGGGCGGCGCCGGCAGGAAGGGTACTGGAATGACAT
 CGACTCCATTAAGAAGAAAGACCTTCACCACAGCAGAGGAGATGAGAAAGCACAGGGTGTGGAGACCCTC
 CCTCCAGGCAAAGTCCGGTGGCCAGACTTTAACCAGGAGGCATACGTTGGCGGTACAATGGTTCGCTCTG
 GGCAGGACCCGTACGCACGCAACAAGTTCAACCAGGTGGAGAGTGACAAGCTGCACATGGACAGAGGCAT
 CCCCAGACCCCGCATGACCAGTGTGAGCGCAAGCAGTGGCGAGTGGACCTGCCAGCCACCAGCGTGGT
 ATCACATTCACAATGAAGCCAGGTCCGCCCTGCTGCGGACGGTGGTCAAGAGGAGTCCAC
 CTCACCTCATCAAGGAGATAATCCTGGTGGATGACTACAGCAACGACCCTGAGGACGGGGCCCTCTGGG
 GAAAATCGAGAAGGTGCGGGTCTCAGAAATGACCGGAGAGAAGGTCTAATGCGCTCTCGGGTCCGGGT
 GCCGACGCCGCCAGGCCAAGGTCTGACTTCCTAGACAGTCACTGCGAGTGTAAACGAGCGATGGCTGG
 AGCCACTCTTGGAGCGGGTTGCTGAGGACAGGACCCGAGTTGTATCCCCATTATCGATGTCATTAAACAT
 GGATAATTTCCAGTATGTGGGCGCCTCTGCTGACCTCAAGGGTGGTTTTGACTGGAACCTGGTGTCAAG
 TGGGATTACATGACACCAGAGCAGAGGCATCCCGCAGGGGAACCCAGTTGCCCTATAAAAACTCCGA
 TGATCGCTGGCGGCTCTTCGTGATGGACAAGCTCTATTTGAAGAGCTGGGGAAGTACGACATGATGAT
 GGACGTGTGGGGAGGAGAGAAGTGGAGATCTCATTCCGAGTGTGGCAGTGTGGTGGCAGCCTGGAGATC
 ATCCCGTGCAGCCGCGTGGGCCACGTGTTCCGGAAGCAGCATCCCTACACGTTCCCGGTGGCAGCGGCA
 CTGTCTTTGCCGGAACACACGCCGGGACGCTGAAGTCTGGATGGATGAGTACAAACATTTCTACTACGC
 AGCGGTGCCTTCTGCACGAAACGTGCCCTATGGGAATATTCAGAGCAGGCTGGAGCTCAGAAAAAGCTG
 GGCTGCAAGCCCTCAAGTGGTACCTGGACAACGTCTACCCGGAGCTGAGGGTTCAGACCACCAGGACA
 TAGCTTTCGGGGCCTTACAGCAGGGAACCAACTGCCTGGACACCTTGGGACACTTCGCGGATGGAGTTGT
 TGGAAATTTATGAGTGTCAACAACGCTGGAGGAAACCAGGAATGGGCCTTGACAAAGGAGAAGTCGGTGAAG
 CACATGGACCTGTGCCTTACTGTGGTGGACCGTTCGCCTGGTCACTCATCAGGCTGCAGGGCTGCCGGG
 AGAACGACAGCAGACAGAAGTGGGAGCAGATCGAAGGCAACTCCAACTGCGACAGTGGCAGCAACCT
 GTGCCTGGATAGCCGCACTGCCAAGAGCGGAGGCCTGAGTGTGGAGGTGTGTGGCCCGCCCTGTACAA
 CAGTGGAAGTTCTCACTCAACCTGCAGCA**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_139272
- Insert Size:** 1713 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_139272.2](#), [NP_644678.2](#)

RefSeq Size: 4131 bp

RefSeq ORF: 1713 bp

Locus ID: 108148

UniProt ID: [Q6PB93](#)

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]