

Product datasheet for **MC203210**

B4galnt1 (NM_008080) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	B4galnt1 (NM_008080) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	B4galnt1
Synonyms:	4933429D13Rik; Gal-NAc-T; Galgt1; GalNAc-T; GalNAcT; Ggm-2; Ggm2
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >BC036996
 CCACGCGTCCGGCGGAGCCTCGGAGGCGGGTCCAGAGTCCCGGCCCTCACGTTCTCTGAGAGCCT
 GGTACCTCTCACCTCCCCATATCAGGATGCGGCTAGACCGCCGGCCCTCTATGCGCTAGTCTTGCT
 GCTCGCTGCGCCTCGTGGTCTCCTGTACTCCAGCACCCGAAACGCGCAAGTCTCCCGAACCTCTG
 GCATTGTGGTGGCCCCACAAGGTCCCCGAGACTCGATCTGCTAGACCTTGCCCTGAGCCTCGTACG
 CACACATCCCGGTCAAGGATCAAGGAGCAAGTGGTGGGCTGCTGGCTCAGAACAAGTGTGAATC
 CAAGGGAGGAAGCCTTCCCTTGCCCTTTCTGAGACAGGTTCCGGCGGTTGACCTCACTAAAGCCTTGAC
 GCTGAGGAGCTGAGGGCTGTTTCTGTCCGAGGAGCAGGAATACCAGGCCTTCTTGCAAGGACCGGT
 CCCTGGCTGACCAGCTGCTGATAGCTCCCGCAACTCCCCCTTACAGTACCCCTGCAGGTTGTTGAGGT
 TCAGCCCCTCAGGAGCATCCTGGTGCCAGGGCTAAGTCTGCAGGAAGCTTCTGTCCAGGAGATATACCAG
 GTGAACCTGAGTGCTTCTAGGCACCTGGGACGTGGCAGGGGAAGTAACAGGAGTACTCTCACGGGAG
 AGGGGCAACCGGATCTCACCTTGCCAGCCAGTCTGGATAAACTCAACCGGCAGCTGCAACTGGTGAC
 TTACAGCAGCCGAGCTACCAGGCAACACAGCAGACACAGTCCGTTTCTCCACCAAGGGACATGAAGTT
 GCCTTACCATCCTCGTAAGACACCTCCCAACCCCGGCTGTACCACCATCATCCTACCCCAAGGAG
 CCGAGTACAACATCAGTGTCTGGTTACCATTGCCACCAAGACTTTTCTCGTTATGATCGACTACGGAC
 ACTCATTGCCAGCATCCGACGCTTTTACCTACGGTACCATAGTCATCGCTGACGACAGTGACAAACCG
 GAGCGCATTAGCGACCCACACGTGGAGCACTACTTCATGCCCTTCGGCAAGGGTTGGTTCGAGGTCGGA
 ACCTGGCGGTGTCCCAAGTAACCACAAATACGTGCTGTGGTGGACGACGACTTGTCTTACGGCGCG
 CACGCGCTGGAGAAGCTTGTGGACGTGCTCGAGAAGACGCCCTGGACCTGGTAGGGGGCGCGGTGCGG
 GAGATCTCGGGTACGCTACCACCTACCGGCAGCTGCTGAGTGTGGAGCCGGGCGCCCAAGGCTTGGGA
 ACTGCTTCGGGCAAAAGCAGGGCTTCCACCAGAGCTCGTTGGCTTCCCAAGCTGTGTGGTACAGACGG
 CGTGGTCAACTTCTTCTGGCGGCACAGACAAAGTGCAGCAAGTGGGCTTGGACCCACGCTCAACCGG
 GTGGCACATCTGGAATTCTTCTGGATGGACTTGGTTTCTTCTGTTGGCTCCTGCTGATGTTGTTG
 TGGATCATGCATCGAAGGTGAAGCTGCCGTGGACAGCAAGGACCCAGGAGCTGAAACTTATGCCGGTTA
 CCGTTACCCGGGATCACTGGACCAAGTCAAGTGGCAAAACATCGCCTACTTCTTCAAACACCGGCTA
 CAGTGCATGACCGCCGAGTGACGTCTGATTGGGCCTTACACTGTCAGGCTGGGCTGCCTCCTTGTTT
 CTTCCAGGATTATCCACCACCACCTCCATCCCTGTGCACCCATTGATGAACACCCTGGCTTCCCGATCC
 TCTCCACCAATCTGATTCTAACAGGGCTTGTCTGGTACACCCTTCTTTCTGTGAGCGACAGAGG
 CCCGATGGAGCCATATCCTTCCCCCACAGCCAGTGCCAAGTCTCCACAACCCATTCTATGGGG
 CAGGAAATGGGGAGGTTCACTTCCAAGTGCCAAGAGCCAGAAAGGACTCTAAGACCCTCAAGTGGAAA
 CACTCTACCTCCCGAGGTGGGAGGAACTCCCAATTTGCAACCCAGGGACATGCACCCACCCAG
 CTCTGGATCCAGACCGTGTGTACCGGCTCCACATACCCCCACAGAAAGCACTGTGACTGTAGTTCTGT
 GGGGCTGGTGAACACACGGTGAAGCAA AAAAAAAAAA

Restriction Sites: RsrII-NotI

ACCN: NM_008080

Insert Size: 1602 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: [BC036996](#), [AAH36996](#)

RefSeq Size: 2249 bp

RefSeq ORF: 1602 bp

Locus ID: 14421

UniProt ID: [Q09200](#)

Cytogenetics: 10 74.5 cM

Gene Summary: Involved in the biosynthesis of gangliosides GM2, GD2 and GA2.[UniProtKB/Swiss-Prot Function]

Transcript Variant: This variant (1) represents the longest transcript and encodes isoform 1.