

Product datasheet for **MC217136**

B4galnt2 (NM_008081) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	B4galnt2 (NM_008081) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	B4galnt2
Synonyms:	AI593864; Dlb-1; Dlb1; Galg2; Galgt2; Ggm3; Igf2bp1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC217136 representing NM_008081
 Red=Cloning site Blue=ORF

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGACTTCCAGCGTGTCTTTTCCAGCTTCAGGTTTCCATGGCTCCTCAAGACATTTGCTCCTCATGGTAG
 GACTTGCCACTGTTGCGTTTATGGTGAGAAAGGTGCCCTTACAACAGACTTCAGCACCTCAAGCCAAA
 GTTTCCAGAGCCTGCAAGGGTTGACCCAGTGCTGAAGCTTCTACCAGAGGAGCATCTGAGAAACTCTTT
 ACCTACAGTGACATCTGGCTCTTCCCAAAAATCAGTGTGACTGTAACCTGGCAAACCTGCGAATGAAAT
 ATAAGTTTCAGGATGCCTATAACCAGAAGGACCTTCCAGCTGTGAATGCCAGAAGACAGGCAGAATTTGA
 GCACTTTCAGAGGAGAGAAGGGCTGCCTCGCCACCACCTCTGCTGGCTCCACCAATCTCCCTTCGGA
 TACCCAGTCCATGGTGTGGAGGTGATGCCCTGCATAACAATTCTCATCCAGGCCTCCAGTATGAAGGGC
 CAGATGCTCCAGTCTATGAGTCTCCTGAAAGCTTCTCTGGGGACTGAACACCCTTGTGATGTGCC
 AGATGATGAGGTTACAGGCAGAGGCCAGAGGCAGCTGACCATTTCCACCAGACATCGGAAGTCCCTGAAT
 TTCATCCTTCAGCATGTGACGTACACCAGCACAGAGTACTATCTCCACAAGGTGGACACAGTAAGTATGG
 AATACGAGTCGTAGTGGCCAAGTTTCCAGTGACTATCAAACAACAGACTGTACCCAAGTTGTATGACCC
 TGGACCTGAGAGGAAGATCAGAAACCTGGTGACCATTGCCACGAAGACTTTTCTCCGTCCCACAAGCTT
 AAGATCCTGCTTCAGAGTATTCGAAAATATTACCAGACATTACCGTGATTGTAGCTGATGACAGCAAGG
 AGCCCCTGGAAATTAATGATGACTACGTGGAGTACTACCCATGCCCTTTGGGAAGGGCTGGTTTGTGCG
 GAGGAACCTGGCCATCTCACAGGTGACTACTAAATATGTCCTCTGGTGGACGATGACTTCTCTTCAGC
 GACAAGACCAAGATTGAGTACTGGTGGATGTCCTGGAGAAAACCGAAGTGGATGTGGTGGCGGCAGCG
 TGCAGGGGAATACTTACCAGTTCAGGCTGCTGTATGAACAGACCAAGAATGGGAGCTGTCTTACCAGAG
 GTGGGGATCATTCCAGGCCCTTGACGGCTTTCCCGGATGCACGTTGACCAGCGCGGTGGTGAACCTCTTC
 TTGGCTCACACGGAACAACCTCCGAAGAGTTGGTTTTGATCCCATCTTGCAACGAGTGGCCACGGAGAGT
 TCTTTATTGATGGGCTGGGGAGACTGTTGGTGGGCTCTTGCCCGGTGTAATTATAAACCACCAAGTAAG
 AACACCACCAAGGATCCAAAGCTGGCTGCCTTGAGAAGACTTATGACAAATACCGGGCCAACACCAAT
 TCTGTGATCCAATTCAAGGTTGCACTCCAGTACTTCAAGAACCATCTCTACTGCTCCACTTAA

ACGGTACGGCGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_008081

Insert Size: 1533 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: [BC139165](#), [AAI39166](#)

RefSeq Size: 1589 bp

RefSeq ORF: 1533 bp

Locus ID: 14422

UniProt ID: [Q09199](#)

Cytogenetics: 11 59.02 cM

Gene Summary: Responsible for synthesis of murine T-lymphocyte CT antigen. Can transfer N-acetylgalactosamine moiety from UDP-GalNAc to the low molecular weight acceptor 3'-sialyl-N-acetyllactosamine, to form a non-reducing terminal tetrasaccharide Sda blood group structure.[UniProtKB/Swiss-Prot Function]