

## Product datasheet for **MC200320**

### **B3galnt1 (NM\_020026) Mouse Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	B3galnt1 (NM_020026) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	B3galnt1
Synonyms:	B3galt3; b3GT3
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >BC003835 sequence for NM\_020026  
 CCCACGCGTCCGGACAGCCCCTGTGGTTAAGAACCTGTGCCTTCTGAACTTCTCTGCTGCTGTGGATGGC  
 CCCGGCTGTCTTGACTGCCCTTCCCAATAGGATGTCACTGAGATCCCTCAAGTGGAGCCTGCTGCTGCTG  
 TCCCTGCTGAGCTTCTGGTGATATGGTACCTCAGCCTCCCCACTACAATGTGATCGAGCGCGTCAACT  
 GGATGACTTCTATGAGTATGAGCCAATTTACAGACAAGACTTTCGCTTCACGCTCCGCGAACACTCGAA  
 CTGTTCTCATCAGAACCATTCTGGTCATCTGGTGACCTCACGCCCTCAGATGTGAAAGCCAGACAA  
 GCCATTAGAGTTACTTGGGGTGAGAAAAAGTCCCTGGTGGGGATATGAGGTGCTCACGTTTTTCTACTAG  
 GCCAGCAGGCTGAAAGGAAGACAAAACGTTAGCCCTGTCTTGGAGGATGAGCACGTTCTCTATGGTGA  
 TATTATACGGCAAGACTTCTAGACACATATAATAACTTGACCTTGAAAACCATATGGCTTTCAGGTGG  
 GTAATGGAGTTTTGCCCAATGCCAAGTATATTATGAAAACAGACACTGATGTTTTTCATCAACACTGGCA  
 ATTTAGTCAAGTATCTTTAAACCTAAACCACTCAGAGAAGTTTTTACGGGCTATCCTCTAATTGATAA  
 CTATTCTATAGAGGATTTTTCCATAAAAACACATTTTCATACCAAGAGTACCCCTTCAAGGTGTTCCCT  
 CCCTACTGCAGCGGGCTGGGCTACATTATGTCCGGCGACCTGGTCCCAGGGTCTACGAGATGATGAGTC  
 ACGTGAAGCCCATCAAGTTGAAGACGTTTATGTTGGCATCTGTTGAATTTGTTAAAAGTGACATTCA  
 TATCCAGAAGACACAAACCTTTTCTTTCTGTACAGAATCCACTTGGATGTATGCAGCTCAGACGCGTG  
 ATTGCAGCCCATGGCTTTTCTTCCAAGGAGATCATCACATTCTGGCAGGTGATGTGAGGAACACCACAT  
 GCCATTAAGCCCATCCATCACCCATCTAGGCAAGGGAGGAAGGACACTGTAGACAGGGTTCAGAGTTA  
 GCACTGTGGGAACTCGGGAAGTTGAGCGTGCTGGTTGCCTGGGCTGAAACTCATGGAGCTCCCTAGAC  
 AGGAGTCAAGGCCTGAECTTAGTGATTGCTTTCACAGAATTTAACTTGGGTGTTTTAAAGGTGACAGAGG  
 AGTCAAACATAATGCAAACGAAGAGTTTTGCTAACCAATCAAAGGGTCAGACAGTCTGGATGGCTCAGG  
 CTGTAGATTAGAATTTCTTAAGATTTCCCTAAAAGAAAATACTAGTCCACAGCCAGAATACAGTGTG  
 GAGTTGTATTTATTAGACAGTATAGTTACATAATGGTTCAGTGTGATCTTAAGTGGTTATTATGTAAG  
 ATATATATATATATTTCTTGTAAAAAGCTTTACAGAGTTATATTGAAAACATTCATTTGATTGTTTT  
 CATTGCAAGGTAATCAATGATATGGTACGTAAGAGTTATCAAATCAAGTATTATTTAATGTCATTTCAA  
 TTTTCTAAATGTTTAAAGTTATGTATGGTCTCAGTATTATATGATGAATTCCTTTTACATTTGAGCTT  
 TGTTTTATTACCACTGATCAGTTAATTAATGTGACGTTAATGTGACATCAAAGTTATTACTGACTGT  
 CCGTAATCTGTTGAACTCTGTTGCACTGTAACATAGAGAATTAAGCAAGAAAATTCAAGCTTTGTATA  
 GTTTTTTAAAAATGTAAAAAAAAAAAAAA

**Restriction Sites:** RsrII-NotI

**ACCN:** NM\_020026

**Insert Size:** 996 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:** [BC003835](#), [AAH03835](#)

RefSeq Size: 1850 bp

RefSeq ORF: 996 bp

Locus ID: 26879

UniProt ID: [Q920V1](#)

Cytogenetics: 3 E1

Gene Summary: Transfers N-acetylgalactosamine onto globotriaosylceramide (PubMed:9417047). Plays a critical role in preimplantation stage embryonic development (PubMed:11463849). [UniProtKB/Swiss-Prot Function]