

Product datasheet for **MC202991**

B3gnt3 (NM_028189) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	B3gnt3 (NM_028189) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	B3gnt3
Synonyms:	2210008L19Rik
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >BC026418
 GGAGCGGAAAGGGAGAACAGGGAAGAAGCGGAGGAAGGCGAGTAGCCAAGAGCCAGCTCAAGGCGGTG
 CCCAGGCTCCGCCCCACGCCATGCGGCTGCCAAGGCAGAGCCCTACGAGATCCTCCTCGTCTTGG
 TCGCCTTGCTGGTGTCTGCTGCTCCTGACCAGCAAGTACCAGCCAGCTGCTCCGCCCTGAGAGGTC
 CAAGGAGCCTGAAGACAACCCCGGGTGGCCACGGCCACCCACGCACACACCCCGCCGGTGCCGAGCT
 AATCTATCCGTGCTCCTCGCACCCGACTTCGCGGGGCTGCCCTTGACAGTGCAGGACTTCTTGTCTACC
 GCCACTGCCGCGACTTCCAGTGTCCGAGAGCCGCGGTTACCAAGTGCAGGAGCCCGTGTCTCCTGCT
 GCTCGCCATCAAGTCTCGCCTGCAAACTATGGCGCCGCCAGATGCTGCGCACGACGTGGGCGCGGAG
 AGACGGGTGCGTGGGCGCCACTGCGCCGCTTCTCCTTGTGGGCTCAGACCGCGACCCACAACAAGCAC
 GCAAATACAACCGACTGCTGGAGCTGGAAGCGCAGAAATACGGCGACATTCTCCAGTGGGATTTCCATGA
 CTCCTTTTAACTGACGCTTAAGCAGGTCCTTTTCTGGAGTGGCAGCTAACCTACTGTACCAACGCC
 AGCTTCGTGCTCAATGGGACGACGATGTGTCGCACACACGACAACATGGTCACCTACCTGCAGGACC
 ACGACCCGGACCAACACCTTTCGTGGGACCTGATCCAGAACGTGGTCCCATCCGGGTGCCCTGGAG
 CAAGTACTTCATCCCACTCTGGTGTGGCGGAGACAGATACCCGCCCTACTGTGGTGGCGGGGCTTC
 CTGCTGTGCGGTTTTACCGTGGCCGCCCTACGTGCGCCGCGCGGTCTCCCCATGTTCCCAATCGACG
 ACGTGTTCTGGGCATGTGTCTGACGACGAGGGGCTGGCTCCCGGACGCACAGCGGAGTGCAGCTGC
 GGGGGTTTTCCCCCTAGCCACGTGTGCATCCTTCGACCCCTGCTTCTACCGGACCTGCTCCTCGTG
 CACCGCTTCTGCCCTTCGAGATGCTGCTGATGTGGGATGCGCTGAACCAGCCCCAGCTCCTCTGCGGA
 GGCAGAGCCCCGCTACTGAGAGGTTGGGGGAGTTGACATCCCCTAGCTCATGTCTCCCTCATCCATG
 TGCAAAGGGCTGGCTTCAAGGAGAAGTTCAAAGTGAGGGGCAGAAAGGTGGTCTGAGGAGTTTATAGGA
 CAAACTCCTAAGTACGCTTGAAACCTCTTGGTACTGTTACAGCAGGAACTCTGAGCTAGCCAACTC
 TGAGTGGCTCTAAGTGGCCGCTAAGCAAACTGCTGTGGACAGAGCCCATGGGTTTTAGGCTCTGGGCC
 TTGGCTCTCTCAGGCCCAAGGAATTGGGCAGAGGAACATGGTGGATTTTAACTGAGGTGCTCAGAG
 ATCTTGACTTGACCCCACTAGTGTCTCCAAGAAGTGGAGAACCACAGGGGCAGGAGGGTCTGTGT
 CCCACAGACCGGCTGGCAGGAAATAAAGTCCATAGAAGGATGAATGTGATTGTAGGGGGAAGGTTAAGA
 TAAACTCAGGGCTCTGCCACGTTTTAATTTTATCTATTTAGGAAGGGAGCCAGGTCCTGTCTTCTCTC
 TGTTTGGGCTCTGGGACTTGAACCAAATCTCAGGCTTGGCAGCAAGTGCCTCCATTAAGTGCAGGCTC
 TCGCCAGTGCCTTTTGTGTTTTCAGCACTACTCATGTTTTAACACCGGCTGCTTACCCACCTCTCTTT
 GACCTTCAATATTAACCTATTGCAACATGTTACATCTACAGCATGGCTGTATGTGGCTCCTGCCTCCTC
 TTGCTCCCTTCCCTGTAGCTACTTTGTGGTCTTTTTCTTCCAAAATTGCAACCCCTCCCAACACCAG
 ACAGGAGAGAAAAAGTATAGAGAGGAAGGAAAAGAGATTCCCCAATAAAGTCTCAGCGCTTGAAAAAA
 AAAAAAAAAAAAAAAAAAAAAAAAAA

- Restriction Sites:** RsrII-NotI
- ACCN:** NM_028189
- Insert Size:** 1119 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: [BC026418](#), [AAH26418](#)

RefSeq Size: 2126 bp

RefSeq ORF: 1119 bp

Locus ID: 72297

UniProt ID: [Q5JCS9](#)

Cytogenetics: 8 B3.3

Gene Summary: Beta-1,3-N-acetylglucosaminyltransferase involved in the synthesis of poly-N-acetyllactosamine. Has activity for type 2 oligosaccharides. Also acts as a core1-1,3-N-acetylglucosaminyltransferase (Core1-beta3GlcNAcT) to form the 6-sulfo sialyl Lewis x on extended core1 O-glycans.[UniProtKB/Swiss-Prot Function]