

Product datasheet for **MC200263**

B3gnt2 (NM_016888) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	B3gnt2 (NM_016888) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	B3gnt2
Synonyms:	AA408337; AA409404; AW260308; B3Galt6; B3gnt1; Beta3gnt; BGnT-1; BGnT-2; BGnT1; BGnT2
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >BC009075 sequence for NM_016888
 CTCATCGTGTCTTTGATGGCTTCATAACCTGAAGGTCCGAAGAGGCCAGATAGGCACCACCCTCAGGCCT
 TGGGCATCTATCTAGGTGGCTGCCGCTACTATGTACGCTGAGAGCAAAGGTATGAGAGATGAGTGTGGG
 CGTCGAAGAGTCAAGTTGCTGGGCATCCTGATGATGGCAAATGTCTTCATTTATTTGATTGTGGAAGTCT
 CCAAAAACAGTAGCCAAGACAAAATGGAAGGGAGGAGTAATAATCCCGAAAGAGAAGTTCTGGAAGCC
 ACCCAGCACTCCCGGGCATACTGGAACAGGGAACAGGAGAAGCTGAACAGGTGGTACAATCCCATCTTG
 AACAGGGTGGCCAATCAGACAGGGGAGCTAGCCACATCTCAAACACAAGTCACCTGAGCTATTGTGAAC
 CAGACTCGACGGTCATGACAGCTGTGACAGATTTTAATAATCTGCCGGACAGATTTAAAGACTTTCCTT
 GTATTTGAGATGCCGAATTACTCGCTGCTTATAGATCAACCGAAGAAATGTGCAAAGAAGCCCTTCTTA
 CTATTGGCGATAAAGTCCCTCATTCCACATTTTCCAGAAGGCAAGCAATTCGGGAGTCTTGGGGCCGAG
 AAACCAACGTAGGGAACAGACAGTAGTGAGGGTCTTCTGTTGGCAAGACACCCCCAGAGGACAACCA
 CCCTGACCTTTCGGACATGCTTAAGTTTGAGAGTGACAAGCACCAGGACATCCTCATGTGGAACATAGA
 GACACATCTTCAACCTGTCCTGAAGGAAGTGTGTTTCTTAGGTGGTGAGCACTTCTGTCCAGACG
 CAGAGTTTGTCTCAAGGGCGATGATGACGTGTTGTGAACCCCATCACATCCTAATTACTTGAATAG
 CTTATCCAAGAGCAAAGCCAAAGACTTGTTCATAGGTGACGTGATCCACAATGCTGGGCCTCACC GGAT
 AAGAACTGAAGTACTACATCCCAGAAGCTTCTACACCGCGCTACCCACCGTATGCCGGGGTGGTG
 GATTCCTGTACTCCGGCCCCCTTGCCTTGAAGGTGTACAGTGCGACTAGCCGGGTCCATCTTACCCTAT
 TGATGATGTTTATACGGGAATGTGCCTTCAGAACTGGGCCTTGTCCAGAGAAGCACAAGGCTTCAGG
 ACATTTGATATTGAAGAGAAAAAAGAAAAATATTTGTTCTATATAGACCTAATGTTAGTACATAGCA
 GAAAACCTCAAGAGATGATTGATATCTGGTCTCAGTTGCAAAGTCCTAATTTAAATGCTGAAATAGACA
 TGAGCTGCATTTACAGAAAGGCCTAGCCTGACTAGTCCCAGTGGTGTGCTCTACAATAGGTGAGTTCT
 GTGTGAGGCTATTAGCCTTCATGAGCAGGTAGCCCTGGGCTCCAAGCCCTCAGTCTTCCCTTGCCTT
 GTGAAGAGGGAAGGCTGAAGACAGCTCAGCATGGCAGGGTGAGTGGTTATGACCCCTCCTGGCTGCCG
 GTCCCTCAGTTTCTAATTTGTTTTCTTCTCCACAATTATGTATGTATGTGTATATATGTGTGTGT
 GTACATACATACATATATATATATGTAGGACACAACTGGTGGCTTGTGAAATGGAATCTATGATTT
 TCATAAGATTTTGAAGTTGTCTAGAAAGTAGACTGATGTCAATCTCCCGTCAACCAGCAGTATTGTCT
 TGTACTAGAAACCGTTACTTCTTTATGCAAGGAAAGCCACGCAGTGCCTGTAGTTCATCTTGTGAGG
 CTTATGGCCATGAGGACAGAGGGGATTTCTTTTACTTGTGTTGGTTTCTGGGTGGCATCATGGTAG
 TTAACCTATTTTGTATTTGAAGATCATGAGTGTGATTCCTAATGGCCAAGTGGAGACTGAGTAGCC
 GACAGCCATGGGTCTGTGAGTGTTCAGAGACTGGGAAGCATTCCGCACTTCTGAGCTTTGGACGTGATTA
 GTCAGTTAAAACCCCAAGATTCTATTCTTGCCATATTATCACGATTCCTTAGATAAAAATCTGGGTAGT
 GACACTTCCCTGTCTCAGTGTAGAAGTGCTGTGCTTTTATTTATTGTTTCAAGATCAAACACCAAAACATT
 TTCTTAAAAAATATTTTGTGTAATATTTTATTTGTATACAGTGTTTGTGAAATATTTAAGTACAGCATGA
 TATTTTATTTTTCTCATTTTTAAATCTTTGAGAATTTTATACAATGTGTTTTGATTGTATTACCTCCC
 CATCTCTCCAGATCCAGCATGATGTTTTAAATGTTAAGCTGTAACATGTTAGATAAAGTTAACTCTTA
 TTTTTGAATTTTAAATTTGGATGGGGGGTATGAACTGCTAGAGAAAATAAAGTTCTGCCAAAATATTG
 AAAAAAAAAAAAAAAAAA

Restriction Sites: RsrII-NotI

ACCN: NM_016888

Insert Size: 1194 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: [BC009075](#), [AAH09075](#)

RefSeq Size: 2468 bp

RefSeq ORF: 1194 bp

Locus ID: 53625

UniProt ID: [Q9Z222](#)

Cytogenetics: 11 14.22 cM

Gene Summary: Beta-1,3-N-acetylglucosaminyltransferase involved in the synthesis of poly-N-acetyllactosamine. Catalyzes the initiation and elongation of poly-N-acetyllactosamine chains (PubMed:9892646). Probably constitutes the main poly lactosamine synthase (PubMed:17890318).[UniProtKB/Swiss-Prot Function]
Transcript Variant: This variant (1) represents the longer transcript. Both variants 1 and 2 encode the same protein. Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments.