

Product datasheet for **MC203343**

B3galt2 (NM_020025) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	B3galt2 (NM_020025) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	B3galt2
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >BC046322
 GGCAAAGCCTTTTTTTTTCCCAATGCAACTGAAACACTAAACCACAGCTCTGCTGCTTAACATTGCAG
 CTCAGCGCTATTACTAGAAAATATGGATACTGAGAAGAGAATACAGCACTGCATTGTCCAGCCGGGAATAC
 AGCAGATGTAAAGAGCTTCAATGCATCAACTGTCGGAAAGAGTCAACTGTGCACCAAAATACAACAGACAG
 CTACAGCTCTTTGTTTGTAGTAAAGAGAGAAAAATGAAAGAAAGGAAAAATCTCTGAAGACTATAAGATAT
 AGACATATGAACAAGAAGGGTAACTTGAAGACACCCCGACAGATGGACACTTTGGATACTGTGAAAAGCA
 ATCACAGGAGGCAGACTGTTGGGGGATGTGCGCATGTTTCGATAGCATCGTTTTTTGCTGAAGTGATGGCG
 TGC AAAAGTATTTTCAGTAGACATAATCCTCTCCATCTAATGGTCTGACCAAGAAAAGAAAGAAATGACAT
 CGAGGGACATGTACCTGAACCAGAAAGACGATGAATCAAGCGCAGTATTGACTGAGGACGGAACAACAGTG
 TTTTTGGCCACAGACATCCATTACTGCTACTGGATACTTACAACATGCTTCAGTGGAGAAGACGACACTG
 CTGCTTTGCAAAAATGACCTGGAGCCCTAAGAGGTCTCTGCTCCGGACTCCCCTTACGGGTGTGCTTTCT
 CTAGTGTCTCTTTGCTATGTTCTTGTGTTTTCAATCATCATGACTGGTACCAGGTAGACCAGGATTCA
 AAGAAAATCCTGTGACATACACTTTCCGAGGATTCGTTCTACAAAAGTGAGACAAACCATAGCTCCCT
 TCGGACCATCTGAAAAGAAGTAGCTCCTCAGACTCTGAGGCCTCACACAGCAAGCAACTCCAGTAACACC
 GAGCTATCACCACAGGGAGTCACAGGGCTGCAGAACACTCTCAGTGCCAATGGCAGCATTATAATGAAA
 AAGGAACTGGACATCCAACTCTTACCATTCAATATATTATCAATGAGCCTGAAAAATGCCAAGAGAA
 AAGTCCATTTTAACTATTAATAGCTGCAGAACCTGGACAAAATCGAAGCAAGAAGAGCTATACGGCAA
 ACTTGGGGCAATGAACTTTGGCACCTGGCATCCAAATCATACGGGTTTTTTTTGTTGGGCATAAGTATTA
 AGCTAAATGGCTATCTTCAACATGCAATTAAGAAGAAAGCAGACAGTATCATGATATAATTCAGCAGGA
 ATATTTAGATACATACTAATCTGACCATTAACACTAATGGGTATGAACTGGGTTGCAACATACTGT
 CCACATACTCCCTATGTTATGAAAACGGACAGTGACATGTTTGTCAACACAGAATACTTAATACACAAGT
 TACTAAAGCCAGACCTGCCTCCTAGACATAACTATTTACTGGCTATCTAATGAGAGGATATGCACCGAA
 CAGAAAACAAAGACAGTAAGTGGTACATGCCACCAGACCTTACCCTAAGTGAGCGCTACCCGTCTTCTGC
 TCAGGAACTGGTTATGTGTTTTCTGGGGATCTGGCAGAGAAGATATTTAAGGTTTTCTTTAGGTATCCGTC
 GTTTGCACCTGGAAGATGTATATGTAGGGATCTGTCTTGCCAAGTTGAGAGTTGATCCTGTGCCCTCC
 CAATGAGTTCGTGTTCAATCACTGGCGAGTTTCTTATTCAAGCTGTAAATACAGCCACCTAATTACCTCT
 CATCAGTTCACCTAGTGAAGTATAAAATACTGGAACCATTTACAACAAAATAAGCACACGCCTGTG
 CCAATGCAGCAAAGGAAAAGGCAGGCAGGTATCGACCCGCAACTACACTAGAAGACTATTTTTGTTCA
 AATGTGGAGTCTGTAATATTGCTTAAAGCATGTATAGTTAAAAACTTGATTATACATAGGACAAGTT
 TTAGTTCAACTCATCACATAAAGGAATCAAAGCTATTTTTAAATTTTCTGAATAAGATAATTCATACA
 ATTGCAAATTATGACAAAAGGTATCCCAAAGAGTCTATTTAAATAACTGTTATGAGGAGATTCTCTAT
 ATTAACATGCAATAATAAGCATGCATACATAAATGGTTCAAGACTTACATTAGGGACCAATACAATGTAT
 CTGCATACATTTTCTATATAAATCTTAAGAAATGAAGACAGTAAAAAGATTCTAGATTTACTTTTGATT
 TCATCATATAACTAAATGTAATAAGACAGTACTATTGATTTTAAAGGAACTTTGTAATTGTGCAATGAA
 CAAGTTTTCTGACCTGACTCAGTTGCAATAAGATTTAGTTAAGTTATTCCATAAACTCATTATAGCATT
 CAGGTGTTTGAGCAATGCAATTCATTCAAGAATATACTTTTAAAAATAATTTATAATTTTAAATTT
 CTTTTTAAATACTTATCTATACTGGGAAAATTTTTGACATGATGTGATAAATGTGAAAAATTAATGT
 GTCTCAGGCTCAAGTTTTTATAAATGAATTATTAAGGTATCAAATAGATAAAAAAAAAAAAAAAAAAAAAA AAAA

Restriction Sites: RsrII-NotI

ACCN: NM_020025

Insert Size: 1269 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: [BC046322](#), [AAH46322](#)

RefSeq Size: 2594 bp

RefSeq ORF: 1269 bp

Locus ID: 26878

UniProt ID: [O54905](#)

Cytogenetics: 1 F

Gene Summary: Beta-1,3-galactosyltransferase that transfers galactose from UDP-galactose to substrates with a terminal beta-N-acetylglucosamine (beta-GlcNAc) residue. Can also utilize substrates with a terminal galactose residue, albeit with lower efficiency. Involved in the biosynthesis of the carbohydrate moieties of glycolipids and glycoproteins.[UniProtKB/Swiss-Prot Function]