

## Product datasheet for MC209936

### B4galt2 (NM\_017377) Mouse Untagged Clone

#### Product data:

Product Type: Expression Plasmids  
 Product Name: B4galt2 (NM\_017377) Mouse Untagged Clone  
 Tag: Tag Free  
 Symbol: B4galt2  
 Synonyms: Ggtb2  
 Vector: pCMV6-Entry (PS100001)  
 E. coli Selection: Kanamycin (25 ug/mL)  
 Cell Selection: Neomycin  
 Fully Sequenced ORF: >MC209936 representing NM\_017377  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGC**C

ATGAGCAGACTGTGGGGGGACGCTGGAGCGGGTCTGCAAGGCTGTGCTCCTTCTCTGCCTGCTGCACT  
 TCCTTGTGGCCGTCATCCTCTACTTTGAGTCTATGCCAGCACCTGGCCTTTTTAGCCGCTTCAGTAC  
 CCGAAGCCAGCCATGCCCTTACCCTGCAGCCAGCAGCAGTACCAACTGCTCTCGGCCAACGCCACT  
 GCCGCTAGCTCCGGGCTGCCTGAAGTGCCAGTCCAGGCTGGTCCCACAGCTCCAGTCAATCCGCCCT  
 GTCCTGACGTGCCGCTGGTCTTGTGGGCCGAGTGGTCATCGAATTCACCTCACCCATGCCTCTGGAACG  
 GGTGCAGAGGGAAAATCCAGGCGTGTCTCTGGCGGCCGCTATTCTCCACCCGACTGCACCCAGCCAA  
 ACGGTGGCAGTCATATCCCTTTAGACACCGGGAGCACCACTACGCTATTGGCTCCACTATCTGCACC  
 CCATGTTGAGGCGGCAGCGGCTGCGCTACGGTGTCTATGTCAACCAAGCATGGCGAGGAGACCTTCAA  
 CCGAGCCAAGCTGCTCAACGTGGCTTCTAGAGGCACTGAAGGAGGATGCTGCCTATGACTGCTTCATC  
 TTCAGTGATGTGGACCTGGTCCCTATGGATGACCGCAATCTGTACCGTTGGTGACAGCCCGCCACT  
 TTGCCATCGCCATGGACAAGTTTGGCTTCCGGTTCGCCATGCTAGTACTTTGGAGGTGTCTCGGGCCT  
 GAGCAAGGCCAGTTTCTGAGGATCAATGGCTTTCCCAACGAGTACTGGGGTGGGGTGGCGAGGATGAT  
 GACATCTTCAACCGGATCTCCCTGACTGGGATGAAGATCTCACGCCGGATGTCGGATTGGCCGCTACC  
 GCATGATCAAGCAGCACCGGGACAACATAACGAGCCCAACCCTCAGAGGTTAATAAGATTCAAAAAC  
 AAAGATGAGCATGAAGTGGGACGGCATTGGATCCGTGCGGTACCGAGTCTTGAAGTGTCTCGGCAACCG  
 CTCTTACCAACATCACAGTGGACATTGGACAGCCCATGTCGTGGCTCACTCAAGGCTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI  
 ACCN: NM\_017377



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<b>Insert Size:</b>	1110 bp
<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u><a href="#">NM_017377.5</a></u> , <u><a href="#">NP_059073.1</a></u>
<b>RefSeq Size:</b>	2432 bp
<b>RefSeq ORF:</b>	1110 bp
<b>Locus ID:</b>	53418
<b>UniProt ID:</b>	<u><a href="#">Q9Z2Y2</a></u>
<b>Cytogenetics:</b>	4 D2.1
<b>Gene Summary:</b>	<p>Responsible for the synthesis of complex-type N-linked oligosaccharides in many glycoproteins as well as the carbohydrate moieties of glycolipids. Can produce lactose (By similarity).[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (2) differs in the 5' UTR compared to variant 1. Variants 1 and 2 both 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.</p>