

## Product datasheet for **MC216918**

### **B3glct (NM\_001081204) Mouse Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	B3glct (NM_001081204) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	B3glct
Synonyms:	B3galtl; Gm1057
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >MC216918 representing NM\_001081204  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGCGGCCTCCCGCTGCTGGCGCTGTTCAAGCTGCTCCGCGGCTTTTGTCTTGTATGCTGAAGAGATAA  
 AAGAAAAGGTCACGCCTTCTCAGGATTTGAGGCAGAGTAGTCTACCGGGAGACATGACATAGACTTAAA  
 AGAAATCGTGTTCATCCAGAGTCAAAGTAATTCCTTTCATGCCAAGAGAGCAGAACAGTTGAAAAA  
 AACATCTTAAAGCAGGCTGCAAATCTGACACAGGATCTCCCTAGAGTCTCCTTCTCCATCAGTTGGCAA  
 AGCAGGAAGGTGCTTGGACCATCTTCCCTTGTACCAGCTTTTCTGTAACATACAGCAAGAATTCAGC  
 GTGGATTTTCTTGTGAAGAAGAGACGAGACTACAAATCCCAGACTCCTAGACACACTCAGACGATAT  
 GACCCATCTAAGGAATGGTTTTAGGAAAAGCACTGTATGACGAAGAGTCGACGATCATCCACCATTACG  
 CCTTCTCTGAGAACCAACAGTCTTAAATATCCCGACTTCGCTGCTGGTGGGCCCTTAGCATCCCGCT  
 GGTGAACAAGCTTGCCAAAAGATTAAGAGTGAGGCGCTGAAGTCTGACTTCACAATTGATTTAAAGCAC  
 GAGATTGCCCTCTACATCTGGGACAAAGGTGGAGGACCGCCCTACCCCTGTGCCTGAGTTTTGTACAG  
 AAGATGTGGACCCCGCTGCGTCAACACGTTCCATTCTTTCTACCGCTCTGTGGAGTACCGGTAAGAA  
 GGAGGAGATTTTTGTTGCAGTGAACCGTGAAGAAATTCATGCTGACAGAATACCCATCGTAAAGAAG  
 ACATGGGCGGCACAGGCTAGCCTTATCGAATACTACAGTGACTATGCAGAAACCGCCATCCCCACGGTGG  
 ATTTGGGAATCCCAATACAGACAGGGTCAATGTGGAAAAACCTTTGCCATTTTGGAAAAATTTTGA  
 TCACAGTCACAACAAAATCTCATGGTTAGTCATGTGGACGATGACACATTAATCAGCATCTCCAGGCTC  
 CGACACCTGCTTAGCTGCTATGACTCCAGCGACCCTGTGTTTCTGGGAGAGCGCTATGGCTACGGCCTAG  
 GCACAGGCGGCTACAGCTATGTACAGGAGGAGCGGGATGGTCTTTCAGAGGAAGCCATCCGGAGACT  
 TCTCGTGAGCAGCTGCAGATGCTACAGCAATGACGCTCCGGACGACATGGTTCTGGGCATGTGCTCAGT  
 GGGCTGGGGTCCCGTACACACAGCCCTCTTCCATCAGGCTCGGCCAGTAGATTACCCCAAGGACT  
 ACCTCGCCATCAGATTCAGTATCATTTCACAAACACTGGCACATTGACCCGGTAAAGGTGTACCTCAC  
 GTGGCTGGCACCCAGTGAGGAAGACCAAGCCACGAGGAGACACAGAAGGACCAAGAGAAGAATTA**TAG**

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI

**ACCN:** NM\_001081204

**Insert Size:** 1470 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: [NM\\_001081204.1](#), [NP\\_001074673.1](#)  
RefSeq Size: 4543 bp  
RefSeq ORF: 1470 bp  
Locus ID: 381694  
UniProt ID: [Q8BHT6](#)  
Cytogenetics: 5 G3  
Gene Summary: O-glucosyltransferase that transfers glucose toward fucose with a beta-1,3 linkage. Specifically glucosylates O-linked fucosylglycan on TSP type-1 domains of proteins, thereby contributing to elongation of O-fucosylglycan (By similarity).[UniProtKB/Swiss-Prot Function]