

## Product datasheet for **MG205305**

### **B3gntl1 (BC088993) Mouse Tagged ORF Clone**

#### Product data:

|                           |                                                                            |
|---------------------------|----------------------------------------------------------------------------|
| Product Type:             | Expression Plasmids                                                        |
| Product Name:             | B3gntl1 (BC088993) Mouse Tagged ORF Clone                                  |
| Tag:                      | TurboGFP                                                                   |
| Symbol:                   | B3gntl1                                                                    |
| Synonyms:                 | 6030413G23Rik                                                              |
| Mammalian Cell Selection: | Neomycin                                                                   |
| Vector:                   | pCMV6-AC-GFP (PS100010)                                                    |
| E. coli Selection:        | Ampicillin (100 ug/mL)                                                     |
| ORF Nucleotide Sequence:  | >MG205305 representing BC088993<br>Red=Cloning site Blue=ORF Green=Tags(s) |

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGAGGTCTCCGAGAACGCCACAACGCGCGGCTCGCTGGCCCTAGTGTCTATCATCCTCCCGTGCACA  
ACGCTGAGCAGTGGTTGGATGAGTGCTTGATGTCTGTTTTGCAGCAAGACTTTGAAGGTGCCATGGAGCT  
CTCTGTTTTTAACGATGCCAGCAAGGACAAGTCTAGGGCCATCATTGAAAAATGGAAGGTGAACTGGAA  
GATTCTGGAATCTCTGTAGTCATCGGAGGCCATGACTCTCCTTCTCCAGAGGAGTTGGATATTCTAAAA  
ACCAAGCCGTCGCACAGAGCACAGGGTCTTACCTTTGCTTTTGGATTCAAGAGTGAGGATGCAGTACGA  
AGCTGCCGGTCAGCACCCGACGAGTATCATAGGATGCCAAGTGAGAAGAGATCCCCGGACTCTACAGAG  
CGATATACACGTTGGATCAACCATTTGACATCTGATCAGCTGCTGACACAGGTGTTACCTCCCACGGCC  
CCACGGTGATCATGCCTACCTGGTTCTGCTCTCGGGCCTGGTTCTCCACGTGGGCCCATTTGATGAAGG  
AGGCCAGGGTGTCCAGAGGATCTGCTGTTCTTCTATGAGCACCTCAGGAAGGGCGGTGGCGTCTCCGG  
GTGGACCACAGCCTGCTACTTACCGATACCACTGTATGCAGCCACACATTCGGTCCTTGAGATGACCA  
TCTGGACGCACCGTGTCCACTTCCTAGAGGAACAAGTCTACCTCACTGGAAGTCCTTACCATCTGGAA  
TGCAGGCAAGCAGGGGCGTAAGTTATACCGCAGCCTGACTGCAGCCAGCCGGCACAAGGTGGTGGCCTTC  
TGTGACGTTGATGAGAACAAGATCAGGAAGGGCTTCTACTGCTACGAAGACTCACAGGAAAGACCCAAGC  
CAAAGGTCCCCATCTGCATTTCCAAGCTGCCAGTCTCCCTTTGTCATCTGTGTGAAGCTGGACCTCAC  
AGGAGGTGAGTTTGAAGCAACTTGAAGTCGCTGGACTTGCAGGAAGGCCGGGACTTCGTCCATTTCAGC

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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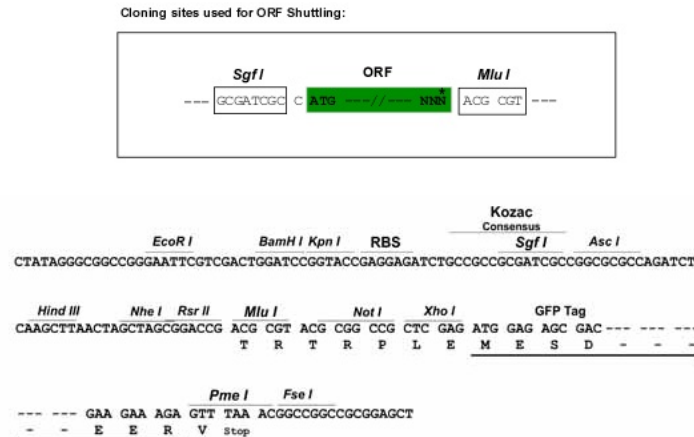
**Protein Sequence:** >MG205305 representing BC088993  
 Red=Cloning site Green=Tags(s)

MEVSENATTRGSLALVSIILPVHNAEQWLDECLMSVLQQDFEGAMELSVFNDASKDKSRAIEKWKVKLE  
 DSGISVVIGGHDSPPRGVGYSKNQAVASTGSYLCFLDSRVRMQYEAAGQHPTSIIGCQVRDPPDSTE  
 RYTRWINHLTSDQLLTQVFTSHGPTVIMPTWFCSRAWFSHVGPFDGGQGVPEDLFFYEHLRKGGGVFR  
 VDHSLLLYRYHLAATHSVLEMTIWTHRVHFLEEQVLPHWKSTIWNAGKQGRKLYRSLTAASRHKVVAF  
 CDVDENKIRKGFYCYEDSQERPKPKVPIILHFQAAQSPFVICVKLDTGGEFEDNLKSLDLQEGRDFVHFS

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** BC088993

**ORF Size:** 1050 bp

**OTI Disclaimer:** The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

**OTI Annotation:** This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

**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.

**Note:** Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

**RefSeq:** [BC088993](#), [AAH88993](#)

**RefSeq Size:** 2734 bp

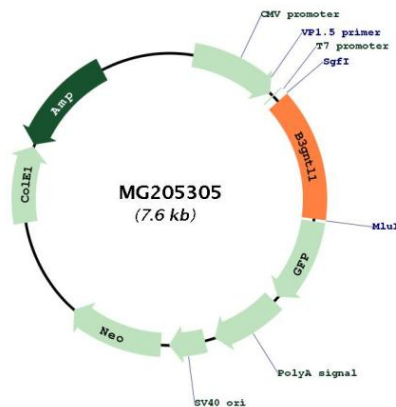
**RefSeq ORF:** 1052 bp

**Locus ID:** 210004

**Cytogenetics:** 11 E2

**Gene Summary:** Putative glycosyltransferase.[UniProtKB/Swiss-Prot Function]

## Product images:



Circular map for MG205305