

## Product datasheet for MR203768

### Btn1 (BC052925) Mouse Tagged ORF Clone

#### Product data:

|                           |   |
|---------------------------|---|
| Product Type:             | Expression Plasmids   |
| Product Name:             | Btn1 (BC052925) Mouse Tagged ORF Clone                            |
| Tag:                      | Myc-DDK   |
| Symbol:                   | Btn1  |
| Synonyms:                 | Btn13; Gm33; Gm316  |
| Mammalian Cell Selection: | Neomycin  |
| Vector:                   | pCMV6-Entry (PS100001)  |
| E. coli Selection:        | Kanamycin (25 ug/mL)  |
| ORF Nucleotide Sequence:  | >MR203768 ORF sequence<br>Red=Cloning site Blue=ORF Green=Tags(s) |

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGCACATCCGATGGTACCGTGCCAGCCACCCCTGCTGTGCTGGTGTCCACAACGGACAGGAGCAGG  
GAGAGGTGCAGATGCCAGAATACAGGGGCAGGACCCAGATGGTGAGACAAGCCATTGACACAGGAAGTGT  
GGCTCTGCAGATACAGCAGGTCCAGGCCCTGATGATGGCCTGTACCACTGTCAGTTTACAGATGGCTTC  
ACCTCCAAGAGGTCTCCATGGAGCTTCGAGTCATAGGTTTAGGCTCTGCCCTCTTGTTCACATGACAG  
GACCTGAGAATGATGGGATCCGAGTGTGTGCTCCTCAAGTGGCTGGTTCCAAAACCCAAAGTGAATG  
GAGAGACACCTCCGGGAACAGCTACTGTCTCCTCTGAGTTGCAGACCCAAGACAGAGAAGGGCTCTTC  
CAGGTGGAAGTGTCTCTTTGGTACAGATAGAGCTATAGGCAATGTGATCTGCTCCATCCAAAATCCCA  
TGTATGACCAGGAGAAATCGAAGGCCATCCTCCTCCAGAGCCCTTCTCCCAAGACGTGTCCATGGAA  
AGTAGCCCTGGTTTGTCTGTCTCATACTATTGGTCTGCTCGGTGGGATCAGCCTTGGAAATCTGGAAA  
GAACATCAAGTCAAAGGAGAGAAATAAAAAATGGTCAAAGGAACATGAAGAAATGCTTCTGTTGAAGA  
AGGGGACAAAATCTGACTGAAGATCAGAGATGACCTCCAGGCCGACCTAGATCGGAGGAAGGCCGTGA  
CAAAGAAGACTGGAAGAAGGCCCTCGCTGTACCCGTATAGACCTATCTAACTTCTGCATAAAACCT

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



[View online »](#)

**Protein Sequence:** >MR203768 protein sequence  
 Red=Cloning site Green=Tags(s)

MHIRWYRAQPTPAVLVFHNGQEQQEVQMPEYRGRMQMVRQAIDTGSVALQIQVQASDDGLYHCQFTDGF  
 TSQEVSMELRVIGLGSAPLVHMTGPENDGIRVLCSSSGWFPKPKVQWRDTSNGNTLLSSSELQTDREGLF  
 QVEVSLLVTDRAIGNVICSIQNPYDQEKSKAILLPEPFFPKTCPWKVALVCSVLILLVLLGGISLGIWK  
 EHQVKRREIKKWSKEHEEMLLKKGTSVLKIRDDLQADLDRRKALYKEDWKKASLYPAIDL SNFCIKP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



\* The last codon before the Stop codon of the ORF

**ACCN:** BC052925

**ORF Size:** 837 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.

**RefSeq:** [BC052925](#), [AAH52925](#)

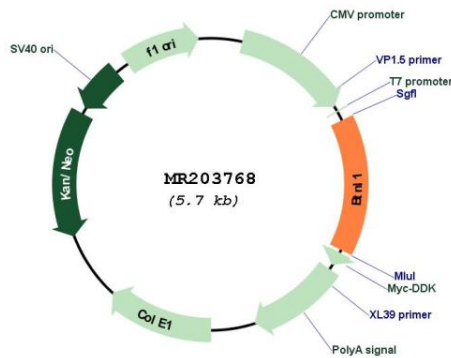
**RefSeq Size:** 3571 bp

**RefSeq ORF:** 839 bp

**Locus ID:** 240074

**MW:** 31.7 kDa

### Product images:



Circular map for MR203768