

## Product datasheet for **MG202268**

### Bag2 (NM\_145392) Mouse Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Bag2 (NM\_145392) Mouse Tagged ORF Clone  
**Tag:** TurboGFP  
**Symbol:** Bag2  
**Synonyms:** 2610042A13Rik; BC016230  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC-GFP (PS100010)  
**E. coli Selection:** Ampicillin (100 ug/mL)  
**ORF Nucleotide Sequence:** >MG202268 representing NM\_145392  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGGCCAGGCGAAGATCAGCGCCAAGGCCACGAGGGCCGTTCTGCCGCTCGTCTTCCATGGCCGACC  
 GCTCCAGCCGCTGCTGGAGAGTCTGGACCAGCTGGAGCTCAGGGTGAAGCTTTGAGAGACGCAGCTAC  
 TGCTGTTGAGCAGGAGAAAGAAATCCTTCTGGAGATGATCCACAGTATCCAAAACAGCCAGGACATGAGG  
 CAGATTAGCGATGGAGAAAGAGAGGAATAAACCTGACTGCCAACCGTCTGATGGCCGGACCCTCACGG  
 TTGAGGTCTCGGTGGAACGATCCGAAACCCCGCAGGAGGAATCCTTGAAGCATGCCACGAGGATTAT  
 AGACGAGGTGGTCAGCAAGTTCCTAGATGACCTGGGGAATGCCAAGAGCCACTTAATGTCACCTTTACAGT  
 GCCTGCTCATCGGAGGTGCCGCTGGGCCGGTGGACCAGAAGTTTCAATCGATAGTCATCGGTTGCGCTC  
 TTGAGGATCAGAAGAAAATCAAGAGGCGATTGGAGACTCTGCTGAGGAACATTGACAACCTCCGACAAGGC  
 CATTAACTCCTAGAGCATGCTAAAGGAGCTGTTCCAAAAGCCTGCAGAACACTGACGGCAAAATTAAT

**ACGCGTACGCGGCCGCTCGAG** - GFP Tag - GTTTAA

**Protein Sequence:** >MG202268 representing NM\_145392  
 Red=Cloning site Green=Tags(s)

MAQAKISAKAHEGRFCRSSSMADRSSRLLESQLELRVEALRDAATAVEQEKEILLEMIHSIQNSQDMR  
 QISDGEREELNLTANRLMGRITLVEVSVETIRNPQQEESLKHATRIIDEVVSFKFLDDLGNKSHLSLYS  
 ACSSEVPPGPVDQKFQSIIVIGCALEDQKKIKRRLTLLRNIDNSDKAIKLLHAKGAGSKSLQNTDQKFN

**TRTRPLE** - GFP Tag - V

**Restriction Sites:** Sgfl-MluI





**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\\_145392.2](#), [NP\\_663367.1](#)

**RefSeq Size:** 1815 bp

**RefSeq ORF:** 633 bp

**Locus ID:** 213539

**UniProt ID:** [Q91YN9](#)

**Cytogenetics:** 1 B

**Gene Summary:** Co-chaperone for HSP70 and HSC70 chaperone proteins. Acts as a nucleotide-exchange factor (NEF) promoting the release of ADP from the HSP70 and HSC70 proteins thereby triggering client/substrate protein release.[UniProtKB/Swiss-Prot Function]