

## Product datasheet for **MG223906**

### Rnf152 (NM\_001160368) Mouse Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Rnf152 (NM\_001160368) Mouse Tagged ORF Clone  
**Tag:** TurboGFP  
**Symbol:** Rnf152  
**Synonyms:** A930029B02Rik  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC-GFP (PS100010)  
**E. coli Selection:** Ampicillin (100 ug/mL)  
**ORF Nucleotide Sequence:** >MG223906 representing NM\_001160368  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGAGACTCTCCAGGATCCCTGTTGGAATGTCAGATCTGTTTTAATTATTACAGCCCCGACGAA  
GGCCCAAGTTGTTGGATTGCAAGCACACCTGCTGCTCGGTGTGCCTCCAGCAGATGAGGACCAGCCAGAA  
GGACGTAAGGTGCCCTGGTCCGTGGCATCACAAATTGCCCGGGCTTCTCTGTATCACAAGTCCG  
GATGACCCAGAGGCTTTGGCAGTCATTGCCATACCACACTTCCGAGCATAACCCAGTCTTCATCAAAC  
TTCCAAGCAATGGGTGCTACATGCTGCCCTGCCATCTCTAAGGAGCGTACACTCCTGCCGGGAGACAT  
GGGCTGCCGCTGCTGCCAGGGAGCCAGCAGAAGTCTCTCACCGTGGTGACCATCCCTGCAGAACAGCAG  
CCCCTGCAGGGTGGAGCTCCCCGGAGGCTGTGGAGGAGGAGCCTGACAGAAGGGGCGTGGTGAAGAGCT  
CCACATGGTCTGGCGTGTCACTGTATCCTGGTGGCCTGTGTTTGGTCTTCTCCTGGGCATTGTGCT  
ACACAACATGCTCTGATCTCTAAGCGCTTCACTGTGATATCCTGTGGT

**ACGCGTACGCGGCCGCTCGAG** - GFP Tag - GTTTAA

**Protein Sequence:** >MG223906 representing NM\_001160368  
 Red=Cloning site Green=Tags(s)

METLSQDSLLECQICFNYYSPRRPKLLDCKHTCCSVCLQQMRTSQKDVRCPWCRGITKLPFGSVS  
QLPDDPEVLAVIAIPHTSEHTPVFIKLPNSNGCYMLPLPISKERTLLPGDMGCRLLPGSQKSLTVVTIPAEQQ  
PLQGGAPPEAVEEEDRRGVVKSSTWSGVCTVILVACVLVFLLGIVLHNMSCISKRFTVISCG

**TRTRPLE** - GFP Tag - V

**Restriction Sites:** Sgfl-MluI



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**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\\_001160368.1](#), [NP\\_001153840.1](#)

**RefSeq Size:** 8406 bp

**RefSeq ORF:** 612 bp

**Locus ID:** 320311

**UniProt ID:** [Q8BG47](#)

**Cytogenetics:** 1 E2.1

**Gene Summary:** E3 ubiquitin-protein ligase mediating 'Lys-63'-linked polyubiquitination of RRAGA in response to amino acid starvation. Thereby, regulates mTORC1 signaling and plays a role in the cellular response to amino acid availability (PubMed:25936802). Also mediates 'Lys-48'-linked polyubiquitination of target proteins and their subsequent targeting to the proteasome for degradation. Induces apoptosis when overexpressed (By similarity).[UniProtKB/Swiss-Prot Function]