

## Product datasheet for **MG219295**

### Ras10a (NM\_145216) Mouse Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Ras10a (NM\_145216) Mouse Tagged ORF Clone  
**Tag:** TurboGFP  
**Symbol:** Ras10a  
**Synonyms:** 2210403B10Rik; AI852688  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC-GFP (PS100010)  
**E. coli Selection:** Ampicillin (100 ug/mL)  
**ORF Nucleotide Sequence:** >MG219295 representing NM\_145216  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGGGCGGACGCTGCGGGTGGCTGTTCTGGGTGCTCCGGGAGTGGGTAAGACCGCCATCATCCGCCAAT  
TCTTGTGGTACTATCCTGAGCGCCACCGACCCACGGACAGTCCCTGCCTCTACCGACCCGCGGTGCT  
GCTCGACGGCGGGTCTACGACCTGAGTATCCGCGATGGTGACGTCGCTGGACCCGGCTCAAGCCCCAGA  
AGTCTTGAGGAGTGGCCGACCTAAAGACTGGAGCTTGCAGGACACAGACGCCTTTGTGCTGGTCTACG  
ACATCTGCAGCCCCGACGTTTCGATTATGTTAAAGCCCTGAGGCAGCGTATAGCAGAAAACAGGCCGGC  
GGGAGCACCAGAGGCACCCATCCTGGTGGTAGGCAACAAGCGGGACCGTACGCGGCTGCGCTTCGGACCT  
CGCCGTGCACTGGCCACTCTAGTTCGTAGGGGCTGGCGCTGTGGCTACCTCGAGTCTCAGCCAAATACA  
ATTGGCACGTGCTGCGTCTCTCCGAGAGCTTCTGCGTTGTGCTTTGGTGCGCACACGTCCTGCACATCC  
GACCCTCCGCTGCAGGGGGCGCTGCACCCAGCGCGCTGCAGCCTCATG

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA

**Protein Sequence:** >MG219295 representing NM\_145216  
Red=Cloning site Green=Tags(s)

MGGLRVAVLGAPGVGKTAIIRQFLFGDYPERHRPTDSPCLYRPAVLLDGAVYDLSIRDGDVAGPGSSPR  
SLEEWDPKDWLQDTDAFVLYDICSDFDYVKALRQRIAENRPAGAPEAPILVVGNGRDRQRLRFGP  
RRALATLVRRGWRCGYLECSAKYNWHVLRFLRELLRCALVRTRPAHPTLRLQALHPARCSLM

**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\\_145216.4](#)

**RefSeq Size:** 1108 bp

**RefSeq ORF:** 612 bp

**Locus ID:** 75668

**UniProt ID:** [Q8K5A4](#)

**Cytogenetics:** 11 A1

**Gene Summary:** Potent inhibitor of cellular proliferation.[UniProtKB/Swiss-Prot Function]