

## Product datasheet for **MG216356**

### **Krtap19-9b (NM\_133359) Mouse Tagged ORF Clone**

#### Product data:

**Product Type:** Expression Plasmids

**Tag:** TurboGFP

**Symbol:** Krtap19-9b

**Synonyms:** Krtap16-10b; Krtap16.10L

**Mammalian Cell Selection:** Neomycin

**Vector:** pCMV6-AC-GFP (PS100010)

**E. coli Selection:** Ampicillin (100 ug/mL)

**ORF Nucleotide Sequence:** >MG216356 representing NM\_133359  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCCGCGATCGCC

ATGAGCTACTACTACGGCAACTACTATGGTGGCCTTGGCTATGGCCTTGGTGGCTTTGGTGGCTTTGGTG  
GCCTGGGATATGGCTATGGTTCCAGCTATGGCCTTGGGGGCTATGGTGGCTATGGCTACTTCAGTCCCTC  
TTTCTATGGAGGATATTTGTCTTCTGGGTTTTAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

**Protein Sequence:** >MG216356 representing NM\_133359  
Red=Cloning site Green=Tags(s)

MSYYYGNYYGGLGYLGGFGFGLGYGYGSSYGLGGYGGYGYFSPFYGGYLSSGFY

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-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.

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

**RefSeq:** [NM\\_133359.2, NP\\_579937.1](#)

**RefSeq Size:** 461 bp

**RefSeq ORF:** 177 bp

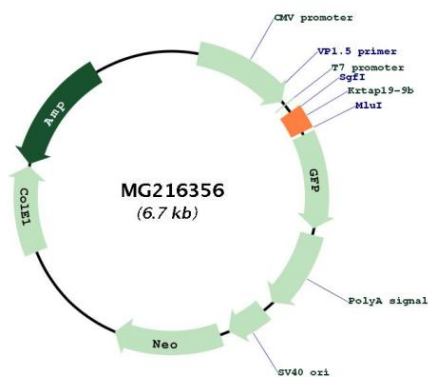
**Locus ID:** 170939

**UniProt ID:** [Q99NG9](#)

**Cytogenetics:** 16 C3.3

**Gene Summary:** In the hair cortex, hair keratin intermediate filaments are embedded in an interfilamentous matrix, consisting of hair keratin-associated proteins (KRTAP), which are essential for the formation of a rigid and resistant hair shaft through their extensive disulfide bond cross-linking with abundant cysteine residues of hair keratins. The matrix proteins include the high-sulfur and high-glycine-tyrosine keratins.[UniProtKB/Swiss-Prot Function]

## Product images:



Circular map for MG216356