

## Product datasheet for RC216152

### KRTAP13-1 (NM\_181599) Human Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** KRTAP13-1 (NM\_181599) Human Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** KRTAP13-1  
**Synonyms:** KAP13.1; KRTAP13.1  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**ORF Nucleotide Sequence:** >RC216152 representing NM\_181599  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGTGGCATGCAAACCTCAGAATCTTCTCAGTGAACTCAGCTGAACTCACATCTCCCATCAACATGTCCT  
 ACAACTGCTGCTCGAAACTTCTCTCCGCTCCTGTGGTGGCTACCTGCACTACCCAGCCTCCTCCTG  
 TGGCTTTCTACCCAGCAACCAGGTCTACAGCACTGACCTCTGCTCTCCAGCACGTGCCAGCTGGT  
 TCCTCTCTATAGGGGCTGTGAGCAGCTGCTGGGAGCCACCAGCTGCCAGACATCCTATGTGGAGT  
 CCAGCCCTGCCAGACCTCTGCTACCGTCCCAGAACCTCCTTGCTCTGCAGTCCCTGCCAGAACTTA  
 CTCTGGGTCTCTAGGCTTTGGATCCAGCAGCTGCCGCTCCCTGGGCTATGGATCGAGGAGCTGCTACTCA  
 GTGGGCTGTGGTCCAGTGGCTTCAAGTCCCTGGGTTATGGAGGCTGTGGCTTCCCTCCCTGGGCTATG  
 GCGTTGGATTCTGCCGCCAACCTACTTGGCTTAGGAGCTGCCAGTCTTCTTGCTACAGACCAACTTG  
 TGGATCAGGCTTCTACTAT

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >RC216152 representing NM\_181599  
 Red=Cloning site Green=Tags(s)

MWHANSESSQCNSAELTSPINMSYNCCSGNFSSRSCGGYLHYPASSCGFSYPSNQVYSTDLCSPSTCQLG  
 SSLYRGCQQTWEPTSCQTSYVESSPCQTSYRPRTSLLCSPCQTTYSGSLGFGSSSCRSLGYGSRSCYS  
 VCGSSGFRLGYGGCGFPSLGYGVGFCRPTYLASRSCQSSCYRPTCGSGFY

**TRTRPLEQKLI**SEEDLAANDILDYKDDDDKV



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**Chromatograms:** [https://cdn.origene.com/chromatograms/mk8121\\_d12.zip](https://cdn.origene.com/chromatograms/mk8121_d12.zip)

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_181599

**ORF Size:** 579 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:** [NM\\_181599.1](#), [NP\\_853630.1](#)

**RefSeq Size:** 763 bp

**RefSeq ORF:** 519 bp

**Locus ID:** 140258

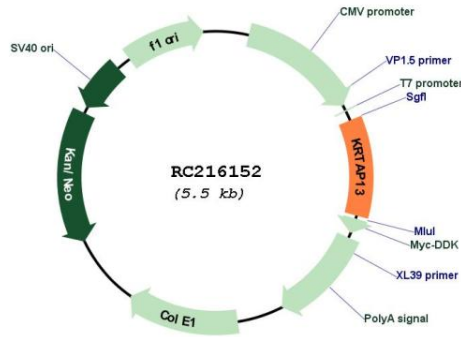
UniProt ID: [Q8IUUC0](#)

Cytogenetics: 21q22.11

MW: 21.1 kDa

Gene Summary: Hair keratins and hair keratin-associated proteins (KAPs), such as KRTAP13-1, are the main structural proteins of hair fibers (Rogers et al., 2002 [PubMed 12359730]).[supplied by OMIM, Mar 2008]

**Product images:**



Circular map for RC216152