

# Product datasheet for RC221081L3

### OriGene Technologies, Inc.

9620 Medical Center Drive, Ste 200 Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com CN: techsupport@origene.cn

## KRTAP10-11 (NM\_198692) Human Tagged Lenti ORF Clone

#### **Product data:**

**Product Type:** Expression Plasmids

Product Name: KRTAP10-11 (NM 198692) Human Tagged Lenti ORF Clone

Tag: Myc-DDK
Symbol: KRTAP10-11

**Synonyms:** KAP10.9; KAP10.11; KAP18-9; KAP18.11; KRTAP10-9; KRTAP10.9; KRTAP18-9; KRTAP18-11;

KRTAP18.9; KRTAP18.11

Mammalian Cell

Selection:

Puromycin

**Vector:** pLenti-C-Myc-DDK-P2A-Puro (PS100092)

E. coli Selection: Chloramphenicol (34 ug/mL)

**ORF Nucleotide** 

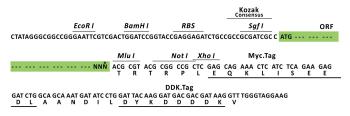
The ORF insert of this clone is exactly the same as(RC221081).

Sequence:

**Restriction Sites:** Sgfl-Mlul

**Cloning Scheme:** 





<sup>\*</sup> The last codon before the Stop codon of the ORF.

**ACCN:** NM 198692

ORF Size: 894 bp





## KRTAP10-11 (NM\_198692) Human Tagged Lenti ORF Clone - RC221081L3

**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:** <u>NM 198692.1</u>

RefSeq Size: 1249 bp

RefSeq ORF: 897 bp

**Locus ID:** 386678

UniProt ID: <u>P60411</u>

Cytogenetics: 21q22.3

MW: 30.2 kDa

**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 crosslinking with abundant cysteine residues of hair keratins. The matrix proteins include the high-

sulfur and high-glycine-tyrosine keratins.[UniProtKB/Swiss-Prot Function]