

Product datasheet for **RC233283**

KRTAP1-4 (NM_001257305) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: KRTAP1-4 (NM_001257305) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: KRTAP1-4
Synonyms: KAP1.4; KRTAP1.4
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >RC233283 representing NM_001257305
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAAACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGATCGCC

ATGGCCAGCTGTTCCACCACTGGGACCTGTGGCTCCAGCTGCTGCCAGCCAAGCTGCTGTGAACTAGCT
 GCTGCCAGCCAAGCTGCTGCCAGACAGCTCCTGCGGAACCGGCTGTGGCATTGGTGGTGGCATTGGCTA
 TGGCCAGGAGGGCAGCGGTGGATCTGTGAGCACCCGTATCAGGTGGTGCCACCCAGATTGCCACGTGGAG
 GGCACCTGCCTGCCCCCTGCTACCTGGTAAGCTGCACACCCCATCCTGCTGCCAGCTGCACCACGCCG
 AGGCCTCCTGCTGCCGCCGCTCCTACTGTGACAGTCCTGCTGCCGCCAGCCTGCTGCTGCCACTGCTG
 TGAGCCCACCTGC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

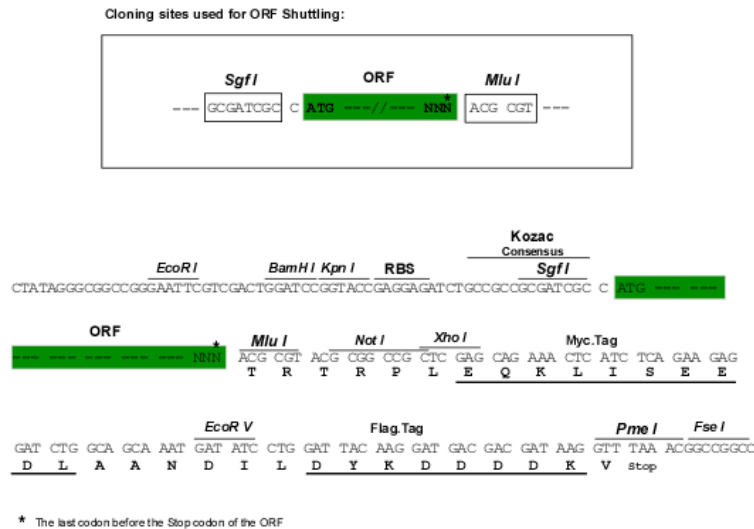
Protein Sequence: >RC233283 representing NM_001257305
Red=Cloning site Green=Tags(s)

MASCSSTGTCGSSCCQPSCCETSCCQPSCQTSSCGTGCGIGGGIGYGQEGSGGSVSTRIRWCHPDCHVE
 GTCLPPCYLVSCTPPSCQLHHAEEASCCRPSCGQSCCRPACCHCCEPTC

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI


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Cloning Scheme:


ACCN: NM_001257305

ORF Size: 363 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.

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

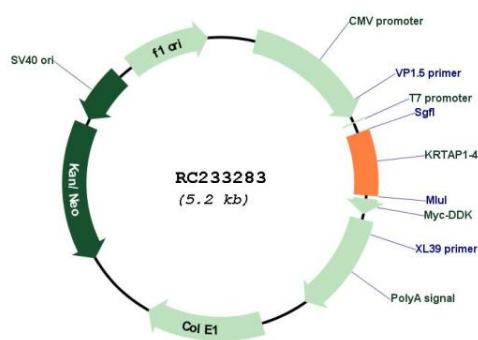
RefSeq: [NM_001257305.1](#), [NP_001244234.1](#)

RefSeq Size: 449 bp

RefSeq ORF: 366 bp
 Locus ID: 728255
 UniProt ID: [P0C5Y4](#)
 Cytogenetics: 17q21.2
 MW: 12.8 kDa

Gene Summary: The main structural proteins of mammalian hair fiber are the hair keratins (see MIM 601077) and the keratin-associated proteins (KAPs), which form a rigid and resistant hair shaft through extensive disulfide bond crosslinking with the abundant cysteines of hair keratins (Shimomura et al., 2002 [PubMed 12228244]).[supplied by OMIM, Jan 2009]

Product images:



Circular map for RC233283