

Product datasheet for RC219977

KRTAP5-4 (NM_001012709) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	KRTAP5-4 (NM_001012709) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	KRTAP5-4
Synonyms:	KRTAP5.4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC219977 ORF sequence, codon optimized . Due to the complexity of NM_001012709, the ORF clone is codon optimized for mammalian Expression. The nucleotide sequence differs from the reference sequence, yet the amino acid sequence remains identical.

Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGGATGCTGCGGATGCAGCGCGGATGTGGCAGCGGGTGTGGAGGGTGTGGCTCCGGCTGTGGGGCT
GTGGATCTGGCTGCGCGGATGCGGCTCAGGTTGCGGAGGATGTGGTTCTGGCTGCGGTGGCTGTGGGT
TTCCTGCTGCGTGCCAATTTGCTGCTGTAACCCGTCGCTGTTGCGTTCCTGCCTGTTCTGCTCCAGT
TGCGGAAGTTGTGGAGGCTCTAAGGGGGGATGGATCATGTGGAGGCTCCAAGGTGGATGCGTGTGAT
GTGGAGGAAGCAAAGGTGGCTGTGGTCTTGTGGCGCAGTAAGGGTGGTGTGGCAGTTGCGGCGGGTC
TAAAGCGGCTGCGGTTCTGCGGTGGTAGTAAAGGTGGATGCGTGAGCTGTGGTGGATCCAAGGCGGT
TGTGGGCTTTCGCGTGGATCCAAGGCGGATGCGTCTCATGCGCGGAAGCAAAGGGGATGCGGCTCCT
GTGGCGGGTCAAAGGGAGGCTGCGGCAGTTGCGGCGGCTCCAAGGAGGGTGGCGGAGTTGTGGCGGTAG
TAAGGGGGCTGCGGTTCTGTGGTTGAGCCAGTGCAGCTGTTGTAAGCCATGCTGTTGTTCTAGTGGG
TGCGGATCCTCTTGTGCGAGTCTAGCTGCTGCAAGCCTTGTGCTCCAGCTCAGGATGCGGCAGTTCAT
GCTGCCAGTCCAGTTGTTGCAAGCCATACTGCTGTCAAAGCAGCTGCTGCAAGCCCTGCTGCAGCTCCTC
TGGCTGCGGAAGTTCTGTTGCCAGAGCAGTTGTTGCAATCCCTGTTGTTCTCAATCATCATGTTGTGTG
CCCGTCTGTTGCCAGTGAAGATC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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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_001012709.1](#), [NP_001012727.1](#)

RefSeq Size: 1359 bp

RefSeq ORF: 867 bp

Locus ID: 387267

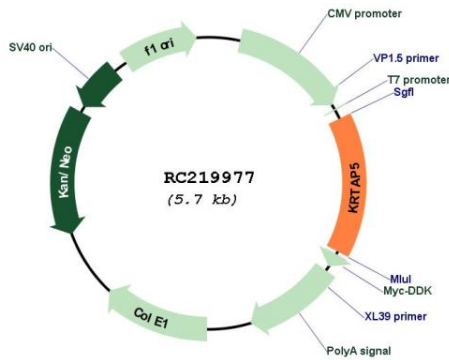
UniProt ID: [Q6L8H1](#)

Cytogenetics: 11p15.5

MW: 25.2 kDa

Gene Summary: In the hair cortex, hair keratin intermediate filaments are embedded in an interfilamentous matrix, consisting of hair keratin-associated protein (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 RC219977