

Product datasheet for **SC305378**

KRTAP3-1 (NM_031958) Human Untagged Clone

Product data:

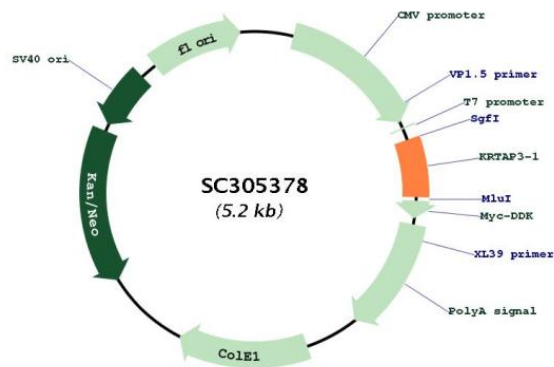
Product Type:	Expression Plasmids
Product Name:	KRTAP3-1 (NM_031958) Human Untagged Clone
Tag:	Tag Free
Symbol:	KRTAP3-1
Synonyms:	KAP3.1; KRTAP3.1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC305378 representing NM_031958. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GTCGTTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGTATTGCTGTGCTCTCCGCTCCTGCAGCGTCCCCACCGGCCCTGCCACCACCTTCTGCTCATTTGAT
AAAAGCTGCCGCTGTGGAGTCTGCCTACCCAGCACCTGCCACATGAGATCAGCCTCCTTCAGCCCATC
TGCTGTGACACCTGCCCCACCTGCTGCAAGCCTGATACCTATGTGCCAACTTGCTGGCTGCTCAAC
AACTGTCACCCGACTCCCGACTGAGTGGGATCAACCTGACCACCTATGTTACGCTGGCTGTGAGAGT
CCCTGTGAGCCCCGCTGTTAA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGCGC
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Restriction Sites: SgfI-MluI



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Plasmid Map:


ACCN: NM_031958

Insert Size: 297 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

OTI Annotation: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

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_031958.1](#)

RefSeq Size: 614 bp

RefSeq ORF: 297 bp

Locus ID: 83896

UniProt ID: [Q9BYR8](#)

Cytogenetics: 17q21.2

MW: 10.5 kDa

Gene Summary: This protein is a member of the keratin-associated protein (KAP) family. The KAP proteins form a matrix of keratin intermediate filaments which contribute to the structure of hair fibers. KAP family members appear to have unique, family-specific amino- and carboxyl-terminal regions and are subdivided into three multi-gene families according to amino acid composition: the high sulfur, the ultrahigh sulfur, and the high tyrosine/glycine KAPs. This protein is a member of the high sulfur KAP family and the gene is localized to a cluster of KAPs at 17q12-q21. [provided by RefSeq, Jul 2008]