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Product datasheet for SC307332

KRTAP13-3 (NM_181622) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Tag Free
Symbol:	KRTAP13-3
Synonyms:	KAP13.3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC307332 representing NM_181622. Blue=Insert sequence Red=Cloning site Green=Tag(s) GCTCGTTTAGTGAACCGTCAGAATTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC ATGTCCTACAACTGTTGCTCTAGAAACTTCTCCTCCTGCTCCCACGGGGGTTACTTGCACTACCCAGGC TCCTCCTGTGGCTCTTCCTACCCCAGCAACCTGGTCTACAGCACTGACCTCTGCTCTCCCAGCACCTGC CAGCTGGGTTCCTCTCTCTATAGGGGCTGTCAGGAGACCTGCTGGAGGCCCAACAGCTGTCAGACATTG TGTGTTGAGTCCAGCCCCTGCCACACCTCCTGCTACTACCCCAGGACTCACATGCTCTGCAATTCTTGC CTGACTATGCATGTTGGGTCTCGGGGTTTTGGATCCAATAGCTGCTGCTCCCTGAGCTGTGGATCCAGG AGCTGCTCCTCACTGGGCTGTGGATCCAATGGCTTCAGATATCTGAATTATAGAATCCATACCTCCCCT TCCCAGAGTTATAGATCCAGATTCTGCCATCCAATCTATTTTCCACCTAGAAGGTGGTTCCATTCATCT TGTTATCAGCCATTCTGTAGATCTGGTTTCTACTGA ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
Restriction Sites:	SgfI-MluI
ACCN:	NM_181622
Insert Size:	519 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).

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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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	NM_181622.1
RefSeq Size:	520 bp
RefSeq ORF:	519 bp
Locus ID:	337960
UniProt ID:	Q3SY46
Cytogenetics:	21q22.11
MW:	19.2 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 cross-linking with abundant cysteine residues of hair keratins. The matrix proteins include the high-sulfur and high-glycine-tyrosine keratins (By similarity).[UniProtKB/Swiss-Prot Function]