

## Product datasheet for SC307770

### KRTAP10-1 (NM\_198691) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Tag:	Tag Free
Symbol:	KRTAP10-1
Synonyms:	KAP10.1; KAP18-1; KAP18.1; KRTAP10.1; KRTAP18-1; KRTAP18.1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC307770 representing NM_198691. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGAATACGACTCACTATAGGGCGGCCGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGCCGCGTCCACCATGTCCGTCTGCTCCAGCGCTTGCTCCGACTCCTGGCAGGTGGATGCCTGCCCA
GAGAGCTGTGTGAGCCCCACTGCTGCGCCCTCAGCTGCTGCGCCCCGGCCCCCTGCCTGACCTGGTC
TGCACCCCACTGTGAGCCGTGTGTCCAGCCCCCTGCTGCCAGGCAGCCTGTGAGCCAGCCCCCTGCCAATCA
GGCTGCACCACTGCTGCAAGCCCTCGTGTGCCAGCAGTCTAGCTGCCAGCCGGCTTGCTGCACCTCC
TCCCCCTGCCAGCAGCCCTGCTGCGTGCCCGTCTGCTGCAAGCCTGTGTGCTGCCTGCCACCTGCTCT
AAGGATTCCTCTTCATGCTGCCAGCAGTCTAGCTGCCAGCCAATTGCTGTGCCTCTTCTCCAGCCAG
CAGTCTGCTGTGTGCCTGTTGCTGCAAGCCTGTGTGCTATGTGCCACCTGCTCTGAGGATTCCTCT
TCATGCTGCCAGCAGTCTAGCTGCCATCCAGCTTGCTGCACCTCCTCCCCCTGCCAGCAGCCCTGCTGC
GTGCCCGTCCGTTGCAAGCCTGTGTGCTGCAAGCCATCTGCTGTGTGCCCGTCTGCTCTGGGGCTTCC
ACTTCATGCTGCCAGCAGTCTAGCTGCCAGCCGGCTTGCTGCACCACTCCTGCTGCAGACCTCCTCC
TCCGTGTCCCTCCTCTGCCGCCCTGTATGCCGGCCCGCTGCTGTATGCCTGTCTCCTCCTGCTGTGCC
CCTGCCTCCTCCTGCCAGGCCAGTGTGCCGCCCGGCTCCTGCTGTCCCTCCTCTGCCGCCCGCG
TGCTCCCGCCCGCCTGCTGA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites:	SgfI-MluI
ACCN:	NM_198691
Insert Size:	849 bp



<b>OTI Disclaimer:</b>	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).
<b>OTI Annotation:</b>	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.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
<b>Note:</b>	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
<b>RefSeq:</b>	<a href="#">NM_198691.2</a>
<b>RefSeq Size:</b>	1011 bp
<b>RefSeq ORF:</b>	849 bp
<b>Locus ID:</b>	386677
<b>UniProt ID:</b>	<a href="#">P60331</a>
<b>Cytogenetics:</b>	21q22.3
<b>MW:</b>	28.7 kDa
<b>Gene Summary:</b>	<p>This gene encodes 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 gene encodes a member of the high sulfur KAP family. It is localized to a cluster of intronless KAPs at 21q22.3 which are located within the introns of the C21orf29 gene. [provided by RefSeq, Jul 2008]</p>