

Product datasheet for MC211209

Krtap5-2 (NM_027844) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Krtap5-2 (NM_027844) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Krtap5-2
Synonyms:	4833428E21Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC211209 representing NM_027844 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGAGCTGCTGTGGCTGTT**CAGGAGGCTGTGGCTCCAGCTGTGGGGCTGTGGCTCCAGCTGTTGCAAGC**
CTGTGTGCTGCTGCAAGCCTGTGTGCTGCTGTGTGCCAGCCTGTTCTGCTCCAGCTGTGGGACTGCAA
GGGAGGCTGTGGCTCCTGTGGGGCTGCAAGGGAGGCTGTGGCTCCTGTGGTGGCTGCAAGGGAGGCTGT
GGCTCCTGTGGAGGCTGCAAGGGAGGCTGTGGCTCCTGTGGAGGCTGTGGCTCCTGTGGGGCTGCAAGG
GAGGCTGTAGTTCCTGTGGAGGCTGTGGCTCCTGTGGAGGCTGCAAGGGAGGCTGTGGCTCCTGTGGAGG
CTGTGGCTCCTGTGGAGGCTGCAAGGGAGGCTGTGGTTCCTGTGGGGCTGCAAGGGAGGCTGTGGTTC
TGTGGTGGCTGCAAGGGAGGCTGTGGCTCCTGTGGAGGCTGTGGCTCCTGTGGAGGCTGCAAGGGAGGCT
GTGGTTCCTGTGGGGCTGCAAGGGAGGCTGTGGCTCCTGTGGAGGCTGTGGCTCCTGTGGAGGCTGCAA
GGGAGGCTGTGGCTCCTGTGGAGGCTGCAAGGGTGGATGTAGTTCCTGTGGGGCTGTGGTTCCTGTGGG
GGCTGCAAGGGAGGCTGTAGTTCCTGTGGGGCTGTGGCTCCTGTGGGGTTCGCAAGGGAGGCTGTGGCT
CCTGTGGGGCTGTGGTTCCTGTGGTGGTGAAGGAAGCTGTGGCTCCTGTGGAGGCTGCAAGGGTGG
TTGTAGTTCCTGTGGGGCTGTGGTTCCTGTGGGGCTGCAAGGGAGGCTGTAGTTCCTGTGGAGGCTGT
GGCTCCTGTGGGGCTGCAAGGGAGGCTGTGGCTCCTGTGGAGGCTGTGGCTCCTGTGGGGCTGTGGCT
CCTGTGGTTCCTGCCAGTCCAGCTGCTGCAAGCCCTGTTGTTGCCAATCCAGCTGTTGCAAGCCCTGCTG
CTGCCAATCCAGCTGCTGCCAGTCCAGCTGCTGCAAGCCCTGCTGCTGCCAGTCCAGCTGTTGCAAGCCC
TGCTGCTGTCAGTCCAGCTGCTGTGCTCCTGTATGCTGCCAGTGAAGAT**CTGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-MluI



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ACCN:	NM_027844
Insert Size:	1104 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).
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:	<ol style="list-style-type: none"> 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:	<u>NM_027844.4</u> , <u>NP_082120.3</u>
RefSeq Size:	1474 bp
RefSeq ORF:	1104 bp
Locus ID:	71623
UniProt ID:	<u>Q9D5Z7</u>
Cytogenetics:	7 F5
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]