

Product datasheet for MC211178

Krtap7-1 (NM_027771) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Krtap7-1 (NM_027771) Mouse Untagged Clone
Tag: Tag Free
Symbol: Krtap7-1
Synonyms: 5430433J05Rik
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC211178 representing NM_027771
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGACTCGCTATTTCTGCTGCGGAACTACTTCCCAGGGTATCCCTGCTATGGAACCAACTCCATGGGA
CCTACAGAGCCACCCCCTGAAGTGTGTGTCCTTTGGGCTCCCCCTGAACCATGGCTCGGGAACCAT
GTACAGCTCCCGCAACTTCTGCTATGGTGGCATTAGTAACCTCAGCAATCCAGGCTGTTGCTACGGCAGC
AGCCTCTACAGGCCATGGGGCTCTGGCTCTGGCTTCGGCTACAGCACCTACT**GA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul
ACCN: NM_027771
Insert Size: 264 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).



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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_027771.1](#), [NP_082047.1](#)

RefSeq Size: 641 bp

RefSeq ORF: 264 bp

Locus ID: 71363

UniProt ID: [Q9D3I6](#)

Cytogenetics: 16 C3.3

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.[UniProtKB/Swiss-Prot Function]