

Product datasheet for **MC217457**

Krt71 (NM_019956) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Krt71 (NM_019956) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Krt71
Synonyms:	AA589543; Ca; Cal4; Cu; Krt2-6g; mK6irs; mK6irs1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC217457 representing NM_019956
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAGCCGCCAATTCACCTGCAAGTCTGGAGCCAGCAACAGGGGCTTCAGTGTTGCTCCGCACTGCTCT
 CTGGGGGAAGCTCATCCTCCTACCGGGCAGGAGGCAAAGGGCTCAGCGGGGGCTTTGGCAGTCGGAGTCT
 CTACAGCCTGGGAGGTGGCAGGAGCATCACTCTTAACATGGCTAGTGGCAGCGGGAAGAACGGAGGTTTT
 GGATTTGGCCGGAACCGAGCCAGTGGCTTTGCCGGAAGTATCTTTGGCAGTGTGGCCCTGGGGCCCGTGT
 GCCCTGTGTGTGCCCGCTGGCGGTATCCATCAGGTCACAGTCAATGAAAGCCTTCTGGCCCCACTCAA
 TGTGGAGCTGGACCCTGAGATCCAGAAGGTGCGCGCACAGGAGCGGGAGCAGATCAAGGCTCTGAACAAC
 AAGTTTGCCTCCTCATTGACAAGGTGCGCTTCTTGGAGCAGCAGAACCAGGTGCTGCAGACCAAGTGGG
 AGCTGCTGCAGCAGCTGGACCTGAACAACCTGCAAGAACAACCTGGAACCCATCCTTGAGGGCCACATCAG
 CAACATGCGGAAGCAGCTGGAGACGCTGTCTGGGGACAGAGTGGGCTGGACTCTGAGCTGAGGAATGTG
 CGTGACGTGGTGGAGGACTACAAGAAGAAGTATGAGGAGGAGATCAACCGCGGACAGCTGCAGAGAATG
 AGTTTGTGCTGTGAAGAAGGACGTGGATGCGGCTTATGCCAACAAAGGTGGAAGTGCAGGCCAAGGTGGA
 CACCATGGACCAGGACATCAAATTTCTCAAGTGTCTGTTGCAAGCCGAGATGGCTCAGATCCAGTCCCAC
 ATCAGCGACATGTCCGTATCCTGTCCATGGACAACAACAGGAACCTGGACCTGGACAGCATCATCGATG
 AGGTTTCGCGCTCAGTATGAGGAGATTGCCCTGAAGAGCAAGGCTGAAGCTGAGGCCCTGTACCAGACCAA
 GTTCCAGGAGCTGCAGCTGGCAGCTGGTCGCCATGGAGATGACCTCAAAAACACCAAAAATGAAATCACT
 GAGCTGACCCGGTTCATCCAGAGACTCCGCTCAGAGATTGAGAACGCAAAGAAGCAGGCTTCTAACCTAG
 AGACAGCCATCGCTGATGCCGAGCAGCAGGAGTGCAGTGCCTCAAGGATGCCCGGGCCAAGCTGGATGA
 GCTGGAGGGTGCCTGCACCAGGCCAAGGAGGAGCTGGCCAGGATGCTGCGTGAATATCAGGAGCTCATG
 AGCCTAAAGTTGGCCCTGGACATGGAGATCGCCACCTACCGCAAACCTTCTGGAGAGCAGGAGTGCAGGA
 TGTCCGGAGAATACTCTTCCCCGTGAGCATCTCCATTATCAGCAGCACCAGTGGCAGTGGAGGCTATGG
 CTTCCGGCCAGCACAGTCCAGCGTGGCTACGTGGCCAATAGCACTAGCTGCATCTCTGGAGTGTGCAGT
 GTCCGTGGTGGGAGAACAGGAGCAGAGGTAGTGCCAGCGACTACAAGGATACCCTAACAAGGGCTCCA
 GTCTGAGCACCCCTCAAGAAGGTGGCCGATGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul

ACCN: NM_019956

Insert Size: 1575 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:

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_019956.1](#), [NP_064340.1](#)

RefSeq Size: 2193 bp

RefSeq ORF: 1575 bp

Locus ID: 56735

UniProt ID: [Q9R0H5](#)

Cytogenetics: 15 57.0 cM

Gene Summary: Plays a central role in hair formation. Essential component of keratin intermediate filaments in the inner root sheath (IRS) of the hair follicle.[UniProtKB/Swiss-Prot Function]