

Product datasheet for **MC218948**

Krt10 (NM_010660) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Krt10 (NM_010660) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Krt10
Synonyms:	D130054E02Rik; K1C1; K10; Krt-1.10; Krt1-10
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC218948 representing NM_010660
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGTCTGTCTATACAGCTCCAGCAGCAAGCAGTTCTCTTCTCCCGCAGTGAGGAGGAGCGGTGGTG
 GATCCGTGAGGGTTCCAGCACCAGGGCTCTCTTGGTGGAGGGTATAGCTCAGGAGGCTTCAGCGGTGG
 CTCTTTTAGCCGTGGGAGCTCTGGGGGAGGTTGCTTTGGGGGCTCATCAGGTGGTTACGGAGTTTTGGA
 GGAGGAGCAGCTTTGGGGGAGGCTATGGAGGAAGCAGCTTTGGGGGAGGCTATGGAGGTAGCAGTTTTG
 GGGGTGGCAGCTTCGGTGGAGGTGGCAGCTTCGGTGGAGGCAGCTTTGGTGGCGGTAGCTATGGAGGAGG
 CTTTGGCGGTGGTGGATTGCGAGGAGATGGTGGCAGCCTTCTCTCCGAAACGAGAAGGTGACCATGCAG
 AACCTGAACGACCGCTGGCCTCTACATGGACAAAGTCCGGGCTCTGGAAGAGTCAAACACGAGCTGG
 AGGATAAATCAAGGAGTGGTACGAGAAGCATGGCAACTCAAGCCAGCGAGAGCCCCGGGACTACAGCAA
 ATACTACAAAACCATCGAGGACCTTAAGGGGAGATCCTCACCTGACAACGACAATGCCAACGTGCTG
 CTGAGATTGACAATGCCCGCTGGCAGCTGATGACTTCAAGGCTGAAATACGAGAATGAGGTGACCCCTGC
 GCCAGAGCGTGGAGGCCGACATCAATGGCCTGCGCAGGGTACTGGATGAGCTGACCCCTAGCAAGTCTGA
 CCTGGAATGCAGATCGAAAGTCTGAACGAAGAGCTGGCCTACCTAAAGAAGAACCACGAAGAGGAAATG
 AGAGACCTTCAAATGTGTCCACTGGTGTGTAATGTGGAAATGAACGCTGCCCGAGGGTTGACCTGA
 CTCAGTGTCTGAACAACATGAGAAACCAATACGAACAACCTGCAGAAAAGAAATCGCAAGGATGCTGAAGA
 GTGGTTCAATCAGAAGAGCAAGGAATCACCACAGAAATCGACAGCAACATTGAACAAATGTCCAGCCAT
 AAGTCTGAAATCACTGAATTGAGACGTAAGTTCAGGGTCTGGAGATTGAACTACAGTCCCAGTGGCCC
 TGAACAACATCGTGAAGCCTCCTTGGCAGAAACAGAAGTTCGCTACTGCGTGCAGCTCTCCCAGATTCA
 AAGCCAGATCTCCGCCCTGGAGGAACAGCTGCAACAGATTCCGGGCTGAGACCGAGTGCCAGAACGCCGAG
 TACCAACAACCTTAGACATCAAGACCCGACTGGAGAACGAGATTGAGACCTACCGCAGCCTGCTAGAAG
 GAGAGGGAAGCTCCAGCGGTGGCGGCGGCGGACGCGGCGGCGGACGACGCGGCGGTAGCTACGGCGGAAG
 CTCCGGTGGCGGAAGCTACGGCGGAAGTTCGGCGGCGGCGGCGGAGCTACGGCGGAAGTTCGGCGGCGG
 GGCAGCTACGGCGGCGGAAGCTCCGGGGCGGTAGCCACGGAGGCAGTTCGGTGGCGGCTACGGCGGCGG
 GAAGTTCAGCGGTGGTGTGGTGGTACGGCGGCGAGTTCGGTGGCGGCTACGGCGGCGGAAGTCCAG
 CGGAGGCCAGGGCGGAAGCGGAGGTTTCAAGTCTCCGGTGGCGGCGACCAATCATCTAAGGACCAAGA
 TACTAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_010660
- Insert Size:** 1686 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_010660.2](#), [NP_034790.2](#)

RefSeq Size: 2124 bp

RefSeq ORF: 1686 bp

Locus ID: 16661

UniProt ID: [P02535](#)

Cytogenetics: 11 62.92 cM

Gene Summary: Plays a role in the establishment of the epidermal barrier on plantar skin.[UniProtKB/Swiss-Prot Function]