

Product datasheet for **MC220732**

Krt2 (NM_010668) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Krt2 (NM_010668) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Krt2
Synonyms:	BB005427; Krt2-2; Krt2-17; Krt2e
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC220732 representing NM_010668
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGAGTTGCCAGATCTCCTGCAGGTCCCGAAGAGGAGGAGCGCGCGGAGCGCGGATTTCAGGGGCT
 TCAGTAGCGGTTCACTGTGGTCTCTGGAGGGAGCCGGAGATCAAATACCAGTTCTCCTGCATAAGCCG
 CCACGGTGGTGGCAGAGGAGGCTCTGGTGGAGGTGGCTTTGGTAGTCAGAGTCTTGTGGCCTCGCGGG
 TACAAGAGCATCTCTAGTAGCGTGGCTGGCAACAGTGGTGGCTACGGTGGCAGCAGCTTTGGAGGCAGCA
 GTGGCTTTGGAGGAGGCCGAGGATTTGGAGGTGGCCAAGGATTTGGAGGCAGCGGTGGCTTCGGAGGTGG
 CTCTGGCTTTGGAGGAGGCCAAGGATTTGGAGGTGGCAGCCGCTTTGGAGGTGGCAGCGGCTTCGGAGGT
 GGTGGATTTGGCGGAGGCAGTTTGGCGGAGGCCGATTTGGAGGTGGCCCTGGAGGTTTTGGGGCCCTG
 GAGGATCCCTGGTGGAGGTATCCATGAAGTGTCTGTCAATCAGAGCCTCTTGCAGCCTCTTGATGTTAA
 AGTAGACCCAGAGATTCAGAACGTGAAGTCTCAGGAGCGGGAGCAGATCAAACCCTCAACAACAAATTT
 GCCTCTTTCAATTGACAAGGTGCGATTCTGGAGCAGCAGAACCAGGTGTTGCGGACCAAAATGGGAACTCC
 TGCAGCAGTTGGATGTAGGCAGCCGCACCACAAACCTGGACCCCATCTTCCAGGCCTACATAGGCATGCT
 CAAGAAGCAAGTGGACAGGCTTTCTGCAGAAAGGACCTCACAGGAGTCAGAGCTGAACAACATGCAGGAT
 CTCGTGGAAGACTTTAAGAAGAAGTACGAGGATGAGATCAACAAGCGCACGTCTGCGGAGAATGATTTTG
 TGACCATTAAGAAAGATGTGGACAGTTGCTACATGGACAAGACAGAGCTGCAGGCCAGGCTGGACATACT
 AGCACAGGAAGTCAACTCTCTGAAACTCTACGATGCGGAAGTGTCCAGCTACAGCAGGATGTCACC
 GACACCAATGTCATCCTGTCCATGGACAACAACCGGAACCTTGACCTGGACAGCATATTGCTGAGGTTT
 AGAATCAATACGAGATGATCGCCATAAGAGCAAGGCTGAGTCAGAGGAGCTGTACCACAGCAAGTATGA
 AGAACTCCAGGTCACTGCTGTGAAACACGGGGACAGCTTGAAAGAGATCAAGATGGAAATCAGCGAGTTG
 AACCGCAATCCAGAGGCTGCAAGGGGAGATATCACATGTGAAGAAGCAGTGTAAAGGTGTACAAGACT
 CCATTGCAGATGCAGAGCAGCGTGGAGAGCATGCCATCAAAGATGCCAGGGGCAAGCTCACTGACCTGGA
 GGAGGCCCTACAACAGTCCGAGAGGACCTGGCCCGGCTACTGAGGGACTACCAGGAGCTCATGAACACC
 AAGCTGTCCCTGGATGTGGAGATTGCCACCTACAGGAAGTGTGGAGGGGAAGAGTGCAGGATGTCTG
 GAGACTTCAGCGACAACGTGTCTGTGTCCATCACAAAGCAGCACCATCTCCTCATCTGTGGCATCTAAGC
 TGGCTTCGGCTCTGGGGTCAAAGTTCTGGAGGAAGAGGGTCTTATGGAGGACGAGGAGGAGGAGGAGGA
 GGAGGAAGCACCTATGGCTCTGGAGGCAGAAGCTCTGGCTCCAGAGGATCTGGATCCGGATCTGGAGGAG
 GAGGATACAGCTCTGGAGGAGTTCCAGGGGAGGATCTGGAGGAGGATATGGCTCTGGAGGAGGCTCCAG
 GGGAGGATCTGGAGGAGGATACGGCTCTGGAGGTGGCTCCGGCTCTGGAGGAGGATACAGCTCTGGAGGA
 GGCTCCAGGGGAGGATCTGGAGGAGGAGGATCAGCTCTGGAGGAGGCTCTAGAGGAGGCTCCAGCTCTG
 GAGGAGGCTCCAGAGGTGGCTCCAGCTCTGGTGGGGGAGGATATAGTTCTGGAGGAGGCTCCAGAGGTG
 CTCCAGCTCAGGAGGAGCAGGATCTAGCTCTGAAAAGGGAGGTTCTGGGTGAGGGGAAGGTTGTGGCTCA
 GGTGTGACCTTCTCTTTAGTAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_010668

Insert Size: 2124 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_010668.2</u> , <u>NP_034798.2</u>
RefSeq Size:	2629 bp
RefSeq ORF:	2124 bp
Locus ID:	16681
UniProt ID:	<u>Q3TTY5</u>
Cytogenetics:	15 57.03 cM
Gene Summary:	Probably contributes to terminal cornification (By similarity). Associated with keratinocyte activation, proliferation and keratinization (By similarity). Plays a role in the establishment of the epidermal barrier on plantar skin (PubMed:26603179).[UniProtKB/Swiss-Prot Function]