

Product datasheet for **RN213993**

Krt2 (NM_001008899) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Krt2 (NM_001008899) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Krt2
Synonyms:	CK 2e; Kb2
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN213993 representing NM_001008899
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAGTTGCCAGATCTCCTGCAAGTCCCGAGAGGAGGAGCGGAGGAGGAGCGGTGGATTACGGGGCT
 TCAGTAGTGGCTCAGCTGTGGTCTCTGGAGGGAGCCGGAGATCGACTTCCGGCTTCTCCTGCCTGAGCCG
 CCACGGTGGTGGCAGAGGAGGCTCTGGTGGAGGTGGCTTTGGCAGTCAGAGTCTTGTGGCCTTGAGGG
 TACAAGAGCATCTCTAGTAGCGTGGCTGGCTACGGTGGTGGATTTGGTGGCAGAAGCTACGGTGGCTTCG
 GAGGCGGCAGCGGCTTTGGAGGCAGCGGTGGCTTCGGAGGTGGCTCTGGCTTTGGAGGAGCCGAGGATT
 TGGAGGTGGTAGCGGTTTCGGAGGCGGCAGCGGCTTTGGAGGTGGCAGCGGCTTTGGAGGTGGCAGCGGC
 TTCGGAGGCGGTGGATTTGGCGGAGGACGCTTTGGAGGTGGCCCTGGAGGTTTGGGGCCCTGGAGGAT
 TCCCTGGTGGAGGCATCCATGAAGTGTCTGTCAATCAGAGCCTCTGCAGCCTCTTGATGTTAAAGTGA
 CCCAGAGATTAGAAGTGAAGTCTCAGGAACGGGAGCAGATCAAACCCCTCAACAACAAATTTGCCTCT
 TTCATTGACACGGTGCATTCTGGAGCAGCAGAACAGGTGTTGCACACCAAATGGGAGCTGCTGCAGC
 AGCTGGATGTAGGCACCCGTACCAACCACTGGACCCCGTCTCCAGGCCTACATTGGCATACTCAAGAA
 GCAGGTGGACAGGCTAACTGCGGAAAGGAACTCACAGGATTCAGAGCTGAACAACATGCAGGATCTCGTG
 GAAGACTTTAAGAAGAAGTACGAGGACGAGATCAACAAGCGCACGCTCTGCGGAGAATGATTTCTGACCA
 TCAAAAAGGACGTGGACAGTTGCTACATGGACAAGACAGAGCTGCAGGCCAAGATGGAGATGCTGACACA
 GGAAGTCGATTTCTGAGAACCTCTACGACACGGAACGTCCAGCTACAGCAGAATGTCACCGACACC
 AATGTCATCCTGTCCATGGACAACAACCGAACCTTGACCTGGACAGCATATTGCTGAAGTTCAGAGCC
 AATACGAGATCATCGCCACAAGAGCAAGGCTGAGTCGGAGGAGCTGTACCACAGCAAGGCAAATGAAGA
 ACTCCAGGTCACCGCTGTGAAACATGGGGACAGCTTGAAGAGATCAAGATGGAGATCAGCGAGTTGAAC
 CGAACAATCCAGAGGCTGCAAGGGGAGATATCACATGTGAAGAAGCAGTGTAAAGGTGTGAAGACTCCA
 TTGCAGATGCAGAGCAGCGTGGGGAGCACGCCATCAAAGATGCCAGGGGCAAGCTCACTGACCTGGAGGA
 GGCCCTGCAGCAGGGCCGAGAGAACCTGGCTCGGCTGCTGCGGGACTACCAGGAGCTCATGAACGTCAAG
 CTGGCCCTGGATGTGGAGATCGCCACCTACCGCAAGCTACTGGAGGGGAGGAGTGCAGGATGTCTGGAG
 ACTTCAGCGACAATGTGTCTGTCTCCGTGACAAGCAGCACCATCTCCTCATCTGTGGCATCTAAGGCTGG
 CTTTGGCTCCGGAGGTCAAAGTTCAGGAGGAAGAGGGTCTTACGGCGGAAGAGGAGGAGGAAGCACCTAT
 GGCTCTGGAGGCAGAAGCTCTGGTGTGAGAGGATCTGGATCAGGATCTGGAGGAGCGGATACAGTTCTG
 GAGGAGGCTCCAGGGGAGGATCTGGAGGAGGAGGATACAGCACTGGAGGAGGTTCTAGAGGAGGCTCCAG
 CTCTGGAGGGGAGGATACAGCTCTGGAGGGGCTCTAGAGGTGACTCCAGCTCTGGAGGAGGCTCCAGG
 GGAGGATCTGGAGGAGGCTCCAGGGGAGGATCTGGAGGAGGAGGATACAGCTCTGGAGGAGGCTCTAGAG
 GAGGCTCCAGCTCTGGAGGGCAGTGTCCGGCTCTGAAAGGGGTGGTTCTGGGTCAGGGGAAGGTTGCGG
 CTCGGCGTGACCTTCTCCTTTAG**ATAG**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001008899
Insert Size: 2058 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_001008899.1</u> , <u>NP_001008899.1</u>
RefSeq Size:	2058 bp
RefSeq ORF:	2058 bp
Locus ID:	406228
UniProt ID:	<u>Q6IG02</u>
Cytogenetics:	7q36
Gene Summary:	Probably contributes to terminal cornification. Associated with keratinocyte activation, proliferation and keratinization (By similarity). Plays a role in the establishment of the epidermal barrier on plantar skin (By similarity).[UniProtKB/Swiss-Prot Function]