

## Product datasheet for **RN208744**

### **Krt10 (NM\_001008804) Rat Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Krt10 (NM_001008804) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Krt10
Synonyms:	Ka10
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >RN208744 representing NM\_001008804  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGCTGTTCGATTTCAGCTCCAACAGCAGGCAGTACTCCTCCGCCCGCAGTGGAGGAGGAGGAGGAGGTG  
 GTGGTGGTGGATCATCCATCAGAGTTTCCAGCACCAAAAGCTCCCTTGGTGGAGGTACAGCTCAGGGGG  
 GTTCAGCGGTGGCTCTTTTAGCCGTGGGAGCTCTAGCGGAGGTTGCTTTGGGGGCTCATCAGGTGGCTAT  
 GGAGGCTTTGGAGGGGGCAGCTTCGGGGGTGGCTATGGAGGAGGCAGCTTTGGTGGAGGCTACGGAGGAG  
 GCAGCTTTGGTGGAGGCTATGGAGGAGGCAGCTTCGGTGGAGGATATGGAGGAGGCAGCTTCGGTGGAGG  
 CAGCTTCGGTGGAGGAAGCTTCGGTGGAGGAAGCTTCGGCGGTGGGCTTGGAGGAGATGGTGGTGCCTT  
 CTCTCTGAAAATGAAAAGGTGACCATGCAGAACCTGAATGACCGCTGGCCTCTACATGAACAAGGTCC  
 GGGATCTGGAAGAGTCAAATATGAGCTGGAGGGTAAAAACAAGGAGTGGTACGAGAAGCACGGCAACTC  
 CAGCCAGCGAGAGCCCCGGGACTACAGCAAATACTACAAAACCATCGAAGACCTTAAAGGGCAGATCGTC  
 AACCTGACAACCTGACAATGCCAATGTCCTGCTGCAGATTGACAATGCCAGACTGGCAGCTGATGACTTCA  
 GGCTGAAGTATGAGAATGAAGTAGCCCTGCGCCAGAGTGTGGAGGCCGACATTAATGGCCTGCGCAGGGT  
 GCTGGACGAACCTGACCCTCAGCAAGGCTGACCTGGAGATGCAGATCGAAAGTTTGACTGAAGAGCTGGCT  
 TACCTGAAGAAGAACCACGAAGAGGAAATGAAAGACCTTCAAAATGTATCCACTGGTGTGTGAACGTGG  
 AAATGAACGCTGCCCCAGGGGTGGACCTGACTCAGCTGCTCAACAACATGAGAAACCAATACGAACAAC  
 TGCAGAAAAGAATCGCAAGGACGCAGAAGCCTGGTTCAATGAGAAGAGCAAGGAACCTCACCACAGAAATC  
 GACAGCAACATTGAACAAATGTCCAGCCATAAGAGTGAATCACTGAATTGAGACGCAGCTGTTCAAGGTC  
 TGGAGATCGAACTACAGTCCCAGCTGGCCCTGAAACAATCGCTGGAAGCCTCCTTGGCAGAAACAGAAGG  
 ACGCTACTGCGTGCAGCTCTCCAGATTCAAAGCCAGATCTCCGCCCTGGAGGAACAACCTGCAACAGATT  
 CGGGCTGAAACCGAGTGCAGAACGCGGAGTACCAACAACCTCCTAGACATTAAGACCCGCTGGAGAACG  
 AGATCCAAACCTACCGCAGCCTGCTAGAAGGAGAAGGAGGGTATGTTGGAAACCTGCAAATAACCTCAA  
 TTGCTTTCCTTCAGAATTCAGTTCAGTTCAGTTCAGTTCAGTTCAGTTCAGTTCAGTTCAGTTCAGTTCAG  
 AGCAATACTAATAAAAACAGAGTATCAAGACGATTATTGAGGAGGTGACACCTGAGGGTAGAGTCTTTT  
 CGTCTATGATTGAATCAGAAACCAAGAAACACTTCTACT**TAA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** Sgfl-Mlul

**ACCN:** NM\_001008804

**Insert Size:** 1581 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\\_001008804.1](#), [NP\\_001008804.1](#)

**RefSeq Size:** 1581 bp

**RefSeq ORF:** 1581 bp

**Locus ID:** 450225

**UniProt ID:** [Q6IFW6](#)

**Cytogenetics:** 10q31

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