

Product datasheet for **MC218808**

Krt6a (NM_008476) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Krt6a (NM_008476) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Krt6a
Synonyms:	2310016L08Rik; Krt2-6a; Krt2-6c; MK6a; mK6[a]
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC218808 representing NM_008476
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGTCTACAAAACCACCATCAAAGTCAAACCAGCCACCGTGGCTACAGTGCCAGCTCAGCCAGAGTGC
 CTGGGCTCAACCGCTCTGGCTTCAGCAGTGTGTCCGTGTGCCGCTCCCGGGCAGCGGTGGCTCCAGTGC
 AATGTGTGGAGGAGCTGGCTTTGGCAGCAGGAGCCTCTATGGTGTGGGGAGCTCCAAGAGGATCTCCATC
 GGAGGGGGCAGCTGTGGCATTGGAGGAGGCTATGGCAGCCGATTTGGAGGAAGCTTCGGCATTGGAGGTG
 GAGCTGGTAGTGGCTTTGGCTTCGGTGGTGGAGCTGGCTTTGGTGGTGGCTATGGGGAGCTGGCTTCCC
 GGTGTGCCACCTGGAGGCATCCAAGAGGTCAACATCAACCAGAGCCTCCTCACACCCCTGAACCTGCAA
 ATTGACCCACCATCCAGCGGTGAGGACTGAGGAGAGGGAGCAGATCAAGACCCCTCAACAACAAGTTG
 CCTCCTTCATCGACAAGGTGCGGTTCTGGAGCAGCAGAACAAGGTCTGGACACCAAGTGGGCCCTGCT
 GCAAGAGCAGGGCACCAAGACCGTGGAGCAGAACCTGGAGCCTATGTTTGAGCAGTACATCAGCAACCTC
 CGCAGACAGCTGGACAGCATCATTGGAGAGAGGGGTCCGCTGGACTCAGAGCTGAGGAACATGCAGGACA
 CAGTGGAGGACTACAAGAGCAAATATGAAGATGAAATCAACAAGCGCACAGCAGCAGAGAATGAATTCGT
 GACCCTGAAGAAGGATGTAGATGCTGCCTACATGAACAAAGTTGAACTGCAAGCCAAGGCAGACAGTCTA
 ACAGATGATATCAACTTCTTGAGAGCTCTATGAAGCAGAACTGTCTCAGATGCAAACTCACATCTCAG
 ACACATCTGTGGTCTCTCCATGGACAACAACCGTAGCCTGGACCTGGACAGCATCATCGCTGAGGTCAA
 GGCCAGTATGAGGACATTGCTCAGAGAAGTGGGCTGAAGCTGAGTCTGGTACCAGACTAAATATGAG
 GAGCTGCAGGTCACAGCTGGCAGACATGGGGACGACCTACGCAACACCAAGCAGGAGATTGCTGAGATCA
 ACCGCATGATCCAGAGGCTGAGATCTGAGATCGACCAGTTAAGAAGCAGTGTGCCAACCTGCAAGCTGC
 TATTGCTGATGCTGAGCAACGTGGGAGATGGCCCTGAAGGATGCCAGGGCAAGCTGGAAGGGCTGGAG
 GATGCCCTGCAGAAGGCCAAACAGGACATGGCCAGGCTGCTGAAGGAGTACCAGGAACTCATGAATGTCA
 AGCTGGCCCTGGATGTGGAAATTGCCACCTACAGGAAGCTGCTGGAAGGAGAGGAGTGCAGGTTGAATGG
 TGAAGGTGTTGGACAGTCAACATCTCTGTGGTGCAGTCCACCGTGTCCAGCGGCTATGGCAGTCCCGGG
 GGTGCCAGCAGCAGCTTAGGCCTGGTGGAGGCAGCAGCTACTCCTATAGCAGCAGCCATGGCCTTGGAG
 GTGGCTCAGTGTGGCAGTGGCAGAGCCATCGGAGGTGGCCTCAGCTCTTCTGGTGGCCTCAGCTCTTC
 TACCATCAAATACACCACCCTCTCCAGCAAGAAGAGCTACAGGCAG**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** Sgfl-Mlul
- ACCN:** NM_008476
- Insert Size:** 1662 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_008476.3](#), [NP_032502.3](#)

RefSeq Size: 2287 bp

RefSeq ORF: 1662 bp

Locus ID: 16687

UniProt ID: [P50446](#)

Cytogenetics: 15 56.97 cM

Gene Summary: Epidermis-specific type I keratin involved in wound healing (PubMed:10866680). Involved in the activation of follicular keratinocytes after wounding, while it does not play a major role in keratinocyte proliferation or migration (PubMed:10866680). Participates in the regulation of epithelial migration by inhibiting the activity of SRC during wound repair (PubMed:22529101). [UniProtKB/Swiss-Prot Function]