

Product datasheet for **MC218869**

Krt75 (NM_133357) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Krt75 (NM_133357) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Krt75
Synonyms:	4732468K03Rik; AA589387; K6hf; Krt2-6hf; Krtcap1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC218869 representing NM_133357
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGTC**CCCGCAATCCACCATCACCTTCCACTCCGGCAGCCGAGGGGCTTCAGCACAGCCTCAGCCACCA**
 CACTACGGCTGGACGCTCCCGCTTCAGCTCCGTGTCTGTGGCCGCTCCTCAGGAAACAGTGGGGGACT
 GGGCAGGATCAGTGGTATTGGTTCTGGCTTGGAGCCGAGCCTCTACAACCTAGGGGGACCCGGCGG
 GTCTCCATTGGTGGCTGTGCTGGCAGTGGCTTCAGGGGTGGCTTGGTGGCAGGACTAGCAGTGGCTTTG
 GGGCAGCAGTGGCTTTGCTTATGGAGGTGGCATTGGAGGGGCTTTGGTGGCCCTGGCTTCTGTCTG
 TCCCTCTGGAGGCATTAGGAAGTTACTGTCAACCAGAGCCTCCTGACTCCCTCAACCTGCAAATCGAC
 CCCACTATCCAGCGGGTGCAGAAAGAAGAACGGGAGCAGATCAAGACTCTGAACAACAAGTTCGCCTCCT
 TCATTGACAAGGTACGCTTCTGGAGCAGCAGAACAAGGTCTGGAGACCAAGTGAATCTCCTGCAGGA
 GCAGGGCTCTAGGACAGTCAAGACAACCTGGAGCCTTTCTTCGATACATATGTCAATGACTCCGCGG
 CAGCTGGATGGCATCACAGCTGAAAGAGGCAGACTGGATGCTGAACTGAGGAACATGCAGGAGGTTGTAG
 AAGACTTCAAAGTCAGGTATGAAGACGAAATTAACAAGCGTGGCGCTGCCGAGAATGAGTTCGTGGGCT
 GAAAAAGGACGTAGACAGTGCCTACATGAACAAGGTGGAGCTGGAAGCGAAGGTCGACTCTCTGACTGAC
 CAGATCAACTTCTACCGGATGATCTATGAGGCAGAGCTGTCTCAGATGCAGAACCAGGTGAGTGACACCT
 CTGTGGTCTCTCCATGGACAACAACCGCAGCCTGGACCTGGACAGCATCATCGCCGAGGTCAAGGCCCA
 GTACGAGGACATTGCCAACCAGCCGGCAGAGGCTGAGTCTGGTACCAGACGAAGTATGAGGAGCTG
 CAGGTGACCGCAGGCCGGCATGGTATGACCTCCGCAACCAACAAGAGATTCAGAGATGAACCGGA
 TGATCCAGAGGCTCAGATCTGAGATTGATGCCGTCAAGAAGCAGTGTCCAGCTTACAACTGATCTC
 TGACGCTGAGCAGCGTGGAGAGCTAGCTCTCAAGGATGCCCGGGCCAAGCTGATGGAGCTTGAAGATGCC
 CTACAGAAAGCCAAGCAGGACATGGCCAGTTGCTTCGAGAGTACCAGGAACTCATGAACGTCAAACCTGG
 CCTTGGATGTGGAGATCGCCACCTACAGGAAGCTGCTGGAAGGCGAGGAGTGCAGGCTGAGCGGAGAGGG
 AGTTTCCCAGTGAACATCTCTGTGGTCACTTCTACGGTTTCCAGTGGCTATGGCGGTGGTCCAAACATT
 GGAGGTGGAAGCCTGGTCTTGGTGGGAACAGTGGCTACTCCTTACGACCAGTGGTGGGCACAGCCTGG
 GCACAGGTCTGGAGGCTCTGGCTTACCACCACCAGCAGCCGGGGCCAGTGGGCAGTGGCTCCAGCAT
 CAAGTTTGTCTCCAGCACATCATCCAGAAAGATTACAAGCAC**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_133357

Insert Size: 1656 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_133357.3](#), [NP_579935.1](#)

RefSeq Size: 3268 bp

RefSeq ORF: 1656 bp

Locus ID: 109052

UniProt ID: [Q8BGZ7](#)

Cytogenetics: 15 56.91 cM

Gene Summary: Plays a central role in hair and nail formation. Essential component of keratin intermediate filaments in the companion layer of the hair follicle (By similarity).[UniProtKB/Swiss-Prot Function]