

Product datasheet for **RN202273**

Krt75 (NM_001008828) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Krt75 (NM_001008828) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Krt75
Synonyms:	Kb18
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >RN202273 representing NM_001008828
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATG**TCCCGCAATCTACTGTCACCTTCCACTCCGGCAGCCGAGGGCTTCAGCACAGCCTCAGCCACCA**
CCCTACCGCTGGACGCTCCCGCTTCAGCTCGGTGCCGTAGCCGCTCCTCAGGAAACAGTGGGGGGCT
GGCAGGATCAGTGGATTGGTTCTGGCTTTGGGAGCCGACGCTCTACAACCTGGGGGCTACCAGGCCG
GTCTCTGTTGGTGGTTGTGCTGGCAGTGGCTTCAGGAGTGGCTTTGGTGGCAGGGCTAGCAGTAGCTTTG
GTTATGGAGGGGTTTTGGTGGTCTGGCTTCCCTGTCTGTCCCTCTGGAAGCATTCAAGAAGTTACTGT
CAACCAGAGCCTCTGACTCCCCCAACCTGCAAATCGACCCACCATCCAGCGGTGCGAAAGAAGAG
CGGAACAGATCAAGACCCTGAACAACAAGTTCGCCTCCTTCATCGACAAGGTACGCTTCTGGAGCAGC
AGAACAAGGTCTTGAGACCAAGTGAACCTCCTACAGGAGCAGGGCTCCAGGACAGTCAGACAGAACCT
GGAGCCTTCTCGATGCCTACGTCAATGACCTCCGCCGCGAGCTGGACAGCGTACAGCTGAAAGGGGC
AGACTGGATGCTGAACTGAGGCACATGCAGGAGTTCGTAGAAGACTTCAAAGTCAGGTATGAAGACGAAA
TAAACAAGCGTGACGCTGCCGAGAACGAGTTCGTGGGCCTGAAAAAGGACGTAGATGGGGCTACATGAA
CAAGGTGGAGCTGGAAGCGAAGTTGACTCTCTGACTGACCAGATCAACTTCTACCGGATGGTCTATGAG
GCAGAGCTGTCTCAGATGCAGAACAGGTGAGCGACACCTCTGTGGTCTCTCCATGGACAACAACCGCA
GCCTGGATCTGGACAGCATCATCGCTGAGGTCAAGGCCAGTATGAGGACATTGCCAACCGCAGCCGGGC
AGAGGCTGAGTCTGGTACCAGACCAAGTATGAGGAGCTGAGGTGACAGCAGGCCGGCACGGGGATGAC
CTCCGCAACACCAACAGGAGATCTCGGAGATGAACCGGATGATCCAGAGGCTGAGATCTGAGATTGATG
CGTCAAGAAGCAGTGTCCAGCCTGCAAACCTGCTATCTCTGACACGGAGCAGCGTGGGGAGCTGGCCCT
CAAGGATGCTCGGGCAAACCTGGTGGAGCTTGAAGACGCCCTGCAGAAGGCCAAGCAGGACATGGCCCGG
CTGCTGCGCAGTACCAGGAGCTCATGAACGTCAAACTGGCCCTGGATGTGGAGATCGCCACCTACAGGA
AGCTGCTGGAGGGCAGGAGTGCAGGCTGAGCGGAGAGGGAGTTCCCCAGTGAACATCTGTGAGTATGA
CCCCTGTGGCCCGGGCTGTCTGGTCACTGTGGTCACTTCTACAGTTTCCAGTGGCTACGGCGGTGGC
ACCAACATCGGAGGTGGAAGCCTGGTCTTGGCGGGAACAGTGGTACTCCTTACGACCACTGGTGGGC
ACAGCCTGGGTACAGGTCTGGGAGGCTCTGGCTTACCACCAGTACAGCCGGGGCCAGTGGGCAGTGG
CTCCAGCATCAAGTTTGTCTCCAGCACGTATCCAGCAGGAAGAGTTACAAGCACGGTGGTACGCCGCA
GTCCCCCTTGCCACTGCTCCGAAGCCTCTCATACATTTATAA****

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_001008828
- Insert Size:** 1722 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_001008828.1](#), [NP_001008828.1](#)

RefSeq Size: 1722 bp

RefSeq ORF: 1722 bp

Locus ID: 300247

UniProt ID: [Q6IG05](#)

Cytogenetics: 7q36

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]