

Product datasheet for **MR222871**

Krt17 (NM_010663) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Krt17 (NM_010663) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Krt17
Synonyms:	K17; Krt1-1; Krt1-17
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR222871 representing NM_010663
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGACCACCACCATCCGCCAGTTTACCTCTCCAGCTCTATCAAGGGCTCCTCTGGCCTGGGTGGAGGTT
 CATCTCGGACCTCTGCGACTGTCTGGCAGCCTGGGTGCAGGCTCCTGCAGGCTGGGGTCACTAGTGG
 CCTGGGTAGTGCTCTTGGGAGCAACAGTTATTCCAGCTGTACAGCTTTGGCACTGGCAGTGGTTATGGA
 GGCAACTTTGGGGGTGTCGATGGCTGTGGCTGGAGGGGAGAAGGCCACCATGCAGAACCTCAATGACC
 GCCTGGCCTCTACCTGGACAAGGTGCGTGCCCTGGAAGAGGCCAACACTGAGCTGGAGGTGAAGATCCG
 AGATTGGTACCAGAAGCAGGCCCGGGCCAGCCAGAGACTACAGCGTTATTACCATACCATTGAGGAT
 CTGAAGAACAAGATCCTTGTGGCCACCTGGACAATGCCAGCATCCTGCTCCAGATTGACAATGCTCGTC
 TGGCAGCCGATGACTTCCGTACCAAGTTTGAGACAGAGCAGGCTCTGCGCATGAGCGTGGAGGCCGACAT
 CAATGGCCTGCGCCGGTGTGGATGAGCTGACCTGGCCAGAGCCGACCTGGAGATGCAGATTGAGAAT
 CTAAGGAGGAGCTGGCCTACCTGAAGAAGAACCACGAGGAGGAGATGAATGCTCTGAGAGGCCAGGTGG
 GCGGCGAAATCAACGTGGAGATGGATGCCGCTCCCGGTGTGGACCTGAGCCGCATCCTGTGAGAGATGCG
 TGATCAGTACGAGAAGATGGCGGAGAAGAACCGAAGGATGCCGAAGACTGGTTCTTCAGCAAGCCGAG
 GAGCTGAACCGCAGGTGGCCACCAACAGCGAGCTGGTGCAGAGCGGCAAGAGCGAGATCTCCGAGCTCA
 GGCGCACCATGCAGGCCCTGGAGATTGAGCTGCAGTCCCAGCTCAGCATGAAAGCATCTCTGGAGGGCAG
 CCTGGCAGAGACAGAAACCGCTACTGCGTGCAGTGTCTCAGATCCAGGGGTGATCGGCAGTGTGGAG
 GAGCAGCTGGCTCAGCTGCGCTGCGAGATGGAGCAGCAGAACCAGGAGTACAAGATCCTGCTGGATGTGA
 AGACAAGGCTGGAGCAGGAGATCGCCACCTACCGCCGTCTGCTGGAGGGAGAGGATGCCACCTGACTCA
 GTACAAGCCAAAAGAACCTGTGACCACCCGCCAGGTGCGCACCATTTGTGAAGAAGTTTCAAGATGGCAAG
 GTCATCTCATCCCGGAACAGGTGCACCAGACCACCCGT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR222871 representing NM_010663
 Red=Cloning site Green=Tags(s)

MTTIRQFTSSSSIKGSSGLGGSSRTSCLSGSLGAGSCLGSASGLGSALGSNSYSSCYSGTSGSYG
 GNFGGVDGLLAGGEKATMQLNDRLASYLDKVRAL EE ANTELEV KIRDWYKQAPGPARDYSAYYHTIED
 LKNKILVATVDNASILLQIDNARLAADDFRTKFETE QALRMSVEADINGLRRVDELTLARADLEMQIEN
 LKEELAYLKKNH EEE MNALRGVGG E INVEMDAAPGV DLSRILSEMRDQYEKMAEKNRKAEDWFFSKTE
 ELNRE VATNSEL VQSGKSEI SELRRTMQALEIELQSQLSMKASLEGLAETENRYCVQLSQIQGLIGSVE
 EQLAQLRCEMEQQNQEYKILLDVKTRLEQEIATYRRLLEGEDAHLTQYKPKPEVTTTRQVRTIVEEVQDGK
 VISSREQVHQTTTR

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mm9045_f07.zip

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:


ACCN: NM_010663

ORF Size: 1299 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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_010663.3](#), [NP_034793.1](#)

RefSeq Size: 1532 bp

RefSeq ORF: 1302 bp

Locus ID: 16667

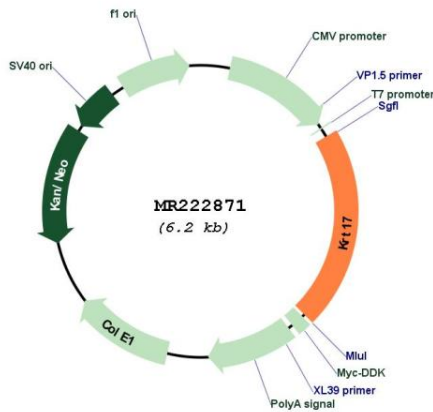
UniProt ID: [Q9QWL7](#)

Cytogenetics: 11 63.44 cM

MW: 48.6 kDa

Gene Summary: The protein encoded by this gene is a member of the type I keratin gene family. The keratins are intermediate filament proteins responsible for the structural integrity of epithelial cells and are subdivided into cytokeratins and hair keratins. The encoded protein is a cytokeratin required for the normal growth of hair follicles and may act in psoriasis as an immunopathogenic autoantigen. [provided by RefSeq, Sep 2015]

Product images:



Circular map for MR222871