

Product datasheet for **MR216167**

Krt82 (NM_053249) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Krt82 (NM_053249) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Krt82
Synonyms:	Krt2-20
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR216167 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTCATGCCAAATTTCCAGTTGAGCCCCAGATGTGGCAACCGAGTTTCAGCTCGTGCTCAGCCATCA
 TGCCCCGATGGTCACCCACTATGAAGTGAGCAAGGCGCCTGTGGTCCGGGGTGGCGGGGCCCTCCG
 AGCCCTGGGTTGCCTTGCTCTCGGAGCCTGTGCAACGTGGGTTTCGGGAGGCCCGTGTGGCTCCAGA
 TGCGGCATGCCAGGCTTCGGGTACCGAGCGGGAGCCACCTGTGGATCTTCTGCCTGCATACCCCTGTCA
 CCATCAATGAGAGTCTGCTGGTCCCCTGGAGCTGGAGATTGACCCGACCGTGCAAAGGGTGAAGAGAGA
 TGAAAAGGAGCAGATTAAGTGCCTGAATAACCGATTTCGCATCCTTCATCAACAAGGTGCGGTTCTGGAG
 CAGAAAAACAAGCTTCTGGAGACCAAGTGAACCTCATGCAGCAGCAGAGAAGTTGCCAGAGCAACATGG
 AGCCGCTCTTCGAGGGCTACATCTGTGCCCTGCGGCGACAGCTGGACTGTGTGTCGGGGACCACGGCAG
 ACTAGAGGCCGAGCTCTGCAGTCTCCAGGAGCGCTGGAGGGTTATAAGAAAAAGTACGAAGAGGAGCTG
 TCTCTGCGTCCCTGTGCTGAGAATGAGTTTGTCACCCTGAAGAAGGACGTGGACACAGCCTTCTGGTGA
 AGGCTGACCTGGAACCAACTTGGAGGCTCTAGAACATGAGATTGAGTTCCTGAAAGCCCTGTTTGAAGGA
 GGAGATCGGCCTGCTGCAGTCTCAGATCTCAGAGACTTCAGTCATCGTGAAGATGGACAACAGCCGGAA
 CTGGATGTGGACGGCATCGTAGCCGAGATCAAGGCCAGTATGACGACATCGCCAGCCGACGAAAGCAG
 AAGCAGAGGCCTGGTACCAGTCCCGGTATGAGGAGCTGAGGTTAACGGCTGGGAACCACTGTGACAACT
 ACGCAACCGCAAAAATGAGATCCTGAAATGAACAAGCTAATCCAGCGGCTGCAGCAGGACATTGAGGCA
 GTCAAAGGCCAGCGATGCAAGCTCGAGGGGGCCATTGCCAGGCAGAGCAGCAGGGAGAGGCCCCCTCA
 CTGATGCCAAGTCAAGCTGGCAGGGCTGGAGGAGGCTTGCAGAAGGCCAAGCAGGACATGGCCCTGCCT
 GCTCAAGCAGTACCAAGAGGTGATGAACCTGCAAGCTGGGCTGGACATCGAGATCGCCACCTACAGGCGC
 CTGCTGGAGGGCAGGAGCACAGGTTGTGTGAAGGCATCGGGCCTGTGAATATCTCTGTCAGCAGCTCCA
 AAGGTGCCGTA CTCTACGAGCCCTGTGTGATGGGCACGCCATGCTGAGGACCGAATACTGCACCGGGAC
 CACGGGTGCTCTGAGGAACAGTGGGGGCTGCAACGTGGTGGCACCAGGTAACCTTACATCCCCTGCGAG
 CCCAAGGGCTCTGGGCTGTGGAATGGGCGGAGCTCCAGCATGAAGGTGGGGTGGTAGCAATTCGT
 GCAGCCGC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR216167 protein sequence
 Red=Cloning site Green=Tags(s)

MSCRNFQLSPRCGNRSFSSCSAIMPVMVTHYEVSKAPCRSGGGGLRALGCLGSRSLCNVGFGRPRVASR
 CGMPFGYRAGATCGSSACITPVTINESLLVPLELEIDPTVQVRKRDEKEQIKLNNRFAFINKVRFLE
 QKNKLETKWNFMQQQRSCQSNMEPLFEGYICALRRQLDCVSGDHGRLEAELCSLQEALEGYKKYEEEL
 SLRPCAENEFVTLKQDVTAFVLKADLETNLEALEHEIEFLKALFEEIQLLSQISETSVIVKMDNSRE
 LDVDGIVAEIKAQYDDIASRSKAEAEAWYQCRYEELRLTAGNHCDNLRNRKNEILEMNLIQRLQDDIEA
 VKGQRCKLEGAIQAEEQQGEAALTDAKCKLAGLEEALQKAKQDMACLLKQYQEVMNCKLGLDIEIATYRR
 LLEGEHRLCEGIGPVNISVSSSKGAVLYEPCVMGTPMLRTEYCTGTTGVLNRNSGGCNVVGTEL YIPCE
 PQGLLGCGNGRSSMKVGVGSNSCSR

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_053249

ORF Size: 1551 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_053249.3](#), [NP_444479.2](#)

RefSeq Size: 2100 bp

RefSeq ORF: 1551 bp

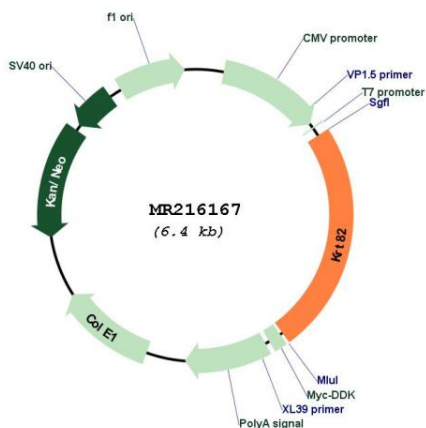
Locus ID: 114566

UniProt ID: [Q99M74](#)

Cytogenetics: 15 56.9 cM

MW: 57.1 kDa

Product images:



Circular map for MR216167