

## Product datasheet for **RR213321**

### **Krt82 (NM\_001008803) Rat Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Krt82 (NM_001008803) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Krt82
Synonyms:	Kb22
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**ORF Nucleotide Sequence:**

>RR213321 representing NM\_001008803  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGCCCCGGATGGTCACCCACTATGAAGTGAAGTGCCTCTCGGCCGGGGTTGGCGGGGCCTCC  
 GAGCCCTAGGCTGCCTTGCTCTCGGAGCCTATGCAACGTGGGCTTCGGGAGACCCCGTGTGCCTCCAG  
 ATGCGGCATGCCAGGCTTCGGGTACCGAGCGGGAGCCGCCTGCGGATCTCCCGCCTGCATCACTCTGT  
 ACCATCAACGAGAGTCTGCTGGTCCCCCTGGAGCTGGAGATTGACCCAACGGTGCAAAGCGTGAAGAGAG  
 ATGAGAAGGAGCAGATCAAGTGCCTGAATAACCGATTTGCATCCTTCATCAACAAGGTGAGGTTCTTGG  
 GCAGAAAAACAAGCTTCTGGAGACCAAGTGAACCTTCATGCAGCAGCAGAGAAGTTGCCAGAGCAACATG  
 GAGCCACTCTTCGAGGGCTACATCTGCGCCCTGCGGCGACAGCTGGACTGCGTGTCTGGGGACCATGGCA  
 GACTGGAGGCTGAGCTCTGCAGCCTCCAGGAAGCGCTGGAGGGTTATAAGAAAAAGTATGAAGAGGAACT  
 GTCCTGCGTCCCTGTGCTGAGAATGAGTTTGTACCTTGAAGAAGGATGTGGACACAGCCTTCCTGGTG  
 AAGGCTGACCTGGAAACCACTTGGAGGCTCTAGAACATGAGATTGAGTTCTGAAAGCCCTGTTTGAGG  
 AGGAGATCAGCCTGCTTCAATCTCAGATCTCGGAGACTTCAGTCATCGTGAAGATGGACAACAGCCGGGA  
 TCTGGATGTGGACGGCATCGTAGCCGAGATCAAGGCCAGTACGATGACATCGCCAGCCGACGAAAGCA  
 GAAGCAGAGGCCTGGTACCAGTGCAGGTATGAGGAGCTGAGGATGACAGCTGGGAACCACAGTGACAACC  
 TACGAAACCGCAAGAACGAGATCCTGGAATGAACAAGCTAATCCAGAGGCTTCAGCAGGACATCGAAAC  
 AGTCAAAGCCAGCGATGCAAACCGAGGGAGCCATTGCCAGGCAGAGCAGCAGGGGGAGGCTGCCCTC  
 TCTGACGCCAAGTGTAACTGGCAGGGCTGGAGGAGCCCTGCAGAAGGCCAAGCAGGACATGGCTTGCC  
 TGCTCAAGGAGTACCAAGAGGTGATGAACCTCAAGCTGGGGCTGGACATCGAGATCGCCACCTACAGGGC  
 CCTGCTGGAGGGCGAGGACACAGGTTGTGTGAAGGCATCGGGCCTGTGAATATCTCTGTGACAGCAGCTCC  
 AAAGGAGCCGTTCTATGAGCCCTGTGTGGTGGCAGCCCATGCTGAGGACCGAATACTGCACCGGGG  
 CCACCGGTGTCCTGAGGAACAGTGGGGCTGCAGCGTGGTGGCACCAGTGAACCTACATCCCCTGTGA  
 GCCCAAGGGCTCCTGGGCTGTGGAAGTGGGCGGAGCTCCAGCATGAAGATGGGGCAGGAAGCAATTCA  
 TGCAGCCAC

**ACGGT**ACGGCGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RR213321 representing NM\_001008803  
 Red=Cloning site Green=Tags(s)

MPRMVTHYEVSKVPSRPGVGGGLRALGCLGSRSLCNVGFGRPRVASRCGMPGFYRAGAACGSPACITPV  
 TINESLLVPLELEIDPTVQSVKRDEKEQIKCLNRFASFINKVRFLEQKNKLETKWNFMQQQRSCQSNM  
 EPLFEGYICALRRQLDCVSGDHGRLEAELCSLQEALLEGYKKKYEELSLRPCAENEFVTLKDDVDTAFLV  
 KADLETNLEALEHEIEFLKALFEEIISLLQSQISETSVIVKMDNSRDLVDGIVAEIKAQYDDIASRKA  
 EAEAWYQCRYEELRMTAGNHSDNLRNRKNEILEMNKLIQRLQDDIETVKAQRCKLEGAIQAEQQGEAAL  
 SDAKCKLAGLEALQKAKQDMACLLKEYQEVMSKLGLDIEIATYRRLLEGEHRLCEGIGPVNISVSSS  
 KGAVLYEPCVVGTPMLRTEYCTGATGVLNRNSGGCSVVGTELYIPCEPQGLLGCSSGRSSSMKMGAGSNS  
 CSH

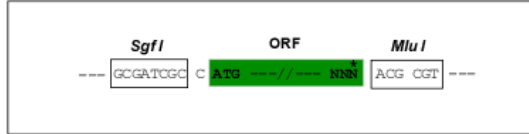
**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

SgfI-MluI

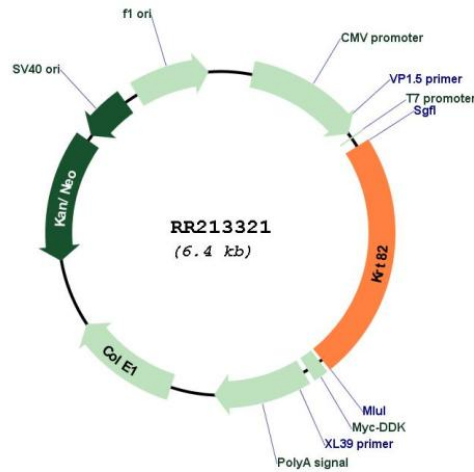
Cloning Scheme:

Cloning sites used for ORF Shutting:



\* The last codon before the Stop codon of the ORF

Plasmid Map:



ACCN: NM\_001008803

ORF Size: 1479 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\\_001008803.1](#), [NP\\_001008803.1](#)

**RefSeq Size:** 1482 bp

**RefSeq ORF:** 1482 bp

**Locus ID:** 366991

**Cytogenetics:** 7q36

**MW:** 54.5 kDa