

Product datasheet for **RR207682**

Krt86 (NM_001008810) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Krt86 (NM_001008810) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Krt86
Synonyms:	Kb26
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide Sequence:

>RR207682 representing NM_001008810
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGACTTGTGGATCCTACTGTGGTGGCCGCGCCTTCAGCTGCGCCTCAGCCTGTGGGCCCGTCCCGGCC
 GCTGCTGCATCACTGCAGCTCCCTACAGGGGCATCTCCTGCTACCGCGGACTCTCAGGGGCTTTGGCAG
 CCACAGTGTCTGCGGGGCTTTTCGCTCTGGCTCCTGTGGACGAGCTTCGGTTACCGATCCGGAGGCATC
 TGTGGGCCAGCCCCCTGCATCACCCTGTCTGTCAATGAGAGCCTGCTCACCCCCCTCAACCTAG
 AGATCGACCCCAATGCTCAGTGCCTGAAGCATGAGGAGAAGGAGCAGATCAAGTGCCTGAACAGCAGGTT
 CGCCGCTTCATCGACAAGGTGCGCTTCTGGAGCAGCAGAACAAGTGTGAAACCAAGTGGCAGTTC
 TTCAGAACCGCAAGTGTGTGAGAGCAACGTGGAGCCTCTGTTTCGAGGGCTACATCGAGACTCTGAGGC
 GGGAGGCTGAGTGTGTGGAGGCCGACAGTGGCAGGCTGGCTGCTGAGCTCAACCATGCTCAGGAGGCCAT
 GGAGGGCTACAAGAAGAGGTACGAGGAGGAAGTTCTCTGAGAGCTACAGCTGAGATGAGTTTGTGGCT
 CTGAAGAAGGATGTGGACTGTGCCTACCTGCGCAAGTCAGACCTGGAGGCCAACACAGAGGCACTGACCC
 AAGAGATCGACTTCTGAGGCGACTGTATGAGGAGGAGACCCGCATCCTCCACGCCACATCTCAGACAC
 CTCCGTATCGTCAAGATGGACAACAGCCGGGACCTGAACATGGACTGCGTCAATTGCTGAGATCAAGGCT
 CAGTATGATGACATTGCCAGCCGTAGCCGTGCAGAGGCCGAGTCTGGTACCGCACCAAGTGTGAGGAGA
 TAAAGGCCACAGTGATCCGGCATGGAGAGACCTGCGTCGCACCAGAGAGGAGATCAATGAGCTGAACAG
 AATCATCCAGAGGCTGACAGCCGAGATCGAGAACGCCAAGTGCCAGAACCAAGCTGGAGGCTGCTGTG
 ACCCAGTCTGAGCAGCAGGGAGAGGCTGCCCTCACCGATGCCCGCTGCAAGCTGGCTGAGCTGGAGGCTG
 CCCTGCAGAAGGCCAAGCAGGACATGGCCTGCCTCAAGGAATACCAGGAGGTGATGAACCTCAAGCT
 GGGTCTGGACATCGAGATCGCCACCTACAGGCGCCTGCTGGAGGGCGAGGAACAGAGGTTGTGTGAGGGC
 GTTGGCTCCGTGAATGTGTGCGTGAGCAGCTCCCGCGGTGGCGTCTGTGTGGCATCTCTGTGTCTCCG
 GACTGCCCTGCTGTCAACACCAGAGTGTGCAGCGCACCTTGCAGTGGCAATGTGGTGGTGGGCACCCC
 CAATGCCTGCGGCCCTGCGCGGGGAGGCGCCTGCAGCGGAGGCTGTAAAGAGTGCAGGAGCCACAAA
 CTGCAAGCCACTGCCATGGGCCACCTGCCGAAAAGACAGCACAGCGGGACAGTGGCCTCGGCCCTTC
 TTCTATTCTT

ACGCGTACGCGGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR207682 representing NM_001008810
 Red=Cloning site Green=Tags(s)

MTCGSYCGGRAFSACASACGPRPGRCCITAAPYRGI SCYRGLSGGFSGSHSVCGAFRSGSGRSFGYRSGGI
 CGPSPPCITTVSVNESLLTPLNLEIDPNAQCVKHEEKEQIKCLNSRFAAFIDKVRFLQNNKLETKWQF
 FQNRKCCESNVEPLFEGYIETLRREAECVEADSGRLAAELNHAQEAMEGYKKRYEEVSLRATAENEFVA
 LKKDVEDCAYLRKSDLEANTEALTQEIDFLRRLYEEETRILHAHISDTSVIVKMDNSRDLNMDCVIAEIK
 QYDDIASRSRAEAEESWYRKCEEIKATVIRHGETLRRTREEINELNRIIQRLTAEIENAKQNTKLEAAV
 TQSEQQGEAALTDARCKLAELEAALQKAKQDMACLLKEYQEVMSKLGLDIEIATYRRLLEGEEQRLCEG
 VGSVNVCVSSRGGVVCVDL CVSGTAPAVNTRVCSAPCSGNVVVGTNPACGPCAGAGACSGGCKCEATK
 LQATAMGHPARKDSTAGQWPRPLLLIL

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

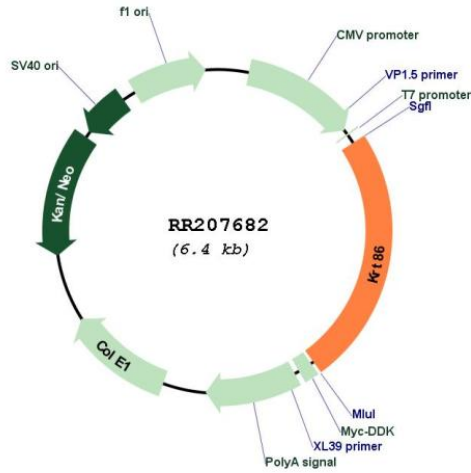
Cloning Scheme:

Cloning sites used for ORF Shutting:



* The last codon before the Stop codon of the ORF

Plasmid Map:



ACCN:	NM_001008810
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:	<ol style="list-style-type: none">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_001008810.1 , NP_001008810.1
RefSeq Size:	1554 bp
RefSeq ORF:	1554 bp
Locus ID:	407760
Cytogenetics:	7q36
MW:	56.7 kDa