

Product datasheet for **RR200986**

Dkc1 (NM_133419) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Dkc1 (NM_133419) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Dkc1
Synonyms:	Nap57
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide Sequence:

>RR200986 representing NM_133419
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGCGGACGCGGAAGCCGCATGACGTTCCCGAAGAAGCACAAGAAGAAGAAAGAGCGGAAGCCGCTGC
 CGGAAGCTGACGTGGCTGAGATCCAGCACGCGGAAGATTTCTGATCAAACCGGAGTCCAAGGCGGCTCA
 GTTGACACCTCCAGTGGCCCTGCTGCTCAAGAACTTTGACAGACTGAACGTGCGGACGACCCACTAC
 ACGCCCATCCCGTGGGCTCCAACCCGCTGAAGAGGGAGATCGGGGAGTACGTACGAGACCGGCTTCATCA
 ACCTGGACAAGCCATCCAACCCCTCTTCGACGAGGTCGTGGCCTGGATCCGCGCATCTGCGCGTGGA
 GAAGACGGGGCACAGCGGACACTTGACCCCAAGGTCACCGGGTGCCTCATCGTCTGCATCGAGCGCGCC
 ACGCGCTGGTCAAGTACAGCAGAGCGCGGCAAGAGTATGTCGGGGTGTGCGGCTGCACAATGCTA
 TCGAGGGGACCGCCAGCTCTCCAGGGCCCTGGAGACCCTGACAGGCGCCCTGTTCCAGCGTCCCCCGCT
 CATCGCAGCAGTGAAGCGGCAGCTGCGCGTGCACAATCTATGAGAGCCGTGTTGTCGAGTATGACCCCT
 GAGCGCAGGCTGGGTGTGTTCTGGGTGAGCTGCGAGGCTGGCACCTACATCCGGACGCTGTGCGTGCACC
 TGGGGCTGCTGCTGGGCTCGGGGGCAGATGCAGGAGCTGCGGCGCGTGCCTCGGGGGTGTGGGCGA
 GCGGGACCACATGGTGACCATGCACGACGTCCTGGACGCGCAGTATCTATACGACCACCACCGGGACGAG
 AGCTACCTGCGCCGCGTGGTTTTCCACTGGAGAAGCTGCTGACGTGCGACAAGCGCCTGGTGATGAAGG
 ACAGTGGGTCAACGCCATCTGCTACGGCGGAAGTATGCTCCCGGCTCCTGCGCTACGAGGACGG
 CATCGAGGTCAACAGGAGTGTGGTTCATCACCACCAAGGGCGAGGCGCTGCGTGGCCATCGCACTG
 ATGACGACGGCTGTGATCTCCAGTGCACACGGGTAGTAGCGAAGATCAAGCGCGTTCATCATGGAGC
 GGGACCTACCCCGCAAGTGGGCTGGGGCCGAAGGCAAGCCAGAAGAAGCAGCTATCAAGCAGGG
 CCTCTGGACAAACATGGCCGACCCACGGACGGCACCCCGCTCCTGGACGCGGACTACGTGGACTAC
 AGTGACTCCAGCAAGAAAGCGACGGCCGCAAGCCACGCGGGCCCTGGGGTACCGCGGACGCGGCCA
 GCATCGTGAAGGAAACGCGATAGCGACGACGCGCGGACGAGGCGACGCCACTACCACGCCCCGGGT
 GAAGAAGGAGAAGAAGAAAAAGGAGAAGGCGGACGGCGGGGAGGAGGCTGCGGAGGACGGGACGGC
 GACGCCAAGGAAGAAAAAGAAGAAGGAAGGCAAGGGCGGACAGGAGCTCAGTGGT

ACGCGTACGCGGCGGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR200986 representing NM_133419
 Red=Cloning site Green=Tags(s)

MADAEAMTFPKKHKKKKERKPLPEADVAEIQHAEDFLIKPESKAAQLDTSQWPLLLKNFDRLNVRTTHY
 TPIPCGSNPLKREIGEYVRTGFINLDKPSNPSSHEVVAWIRRIILRVEKTGHSGLDPKVTGCLIVCIERA
 TRLVKSQQSAGKEYVGVVRLHNAIEGTAQLSRALETLTGALFQRPLIAAVKRLRVRTIYESRVVEYDP
 ERLGVFVWSCEAGTYIRTL CVHLG LLLGVGGQMQLRRVRSVVGGERDHMVTMHDVLDQYLYDHRDE
 SYLRRVVFPLEKLLTSHKRLVMKDSAVNAICYGAKIMLPGLLRVEDGIEVNVQEVVVITTKGEAVCVIAIAL
 MTTAVISTCDHGVAIKRIVIMERDTPYPRKWGLGPKASQKKQLIKQGLLDKHGRPTDGPASWTRDYVDY
 SDSSKKATAAEATPGPGVTADAASIVKRKRSDSDADEATPTTTTPRVKKEKKKKKEADGGEEAAEDGDG
 DATRKKKKKKARAAEELSG

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

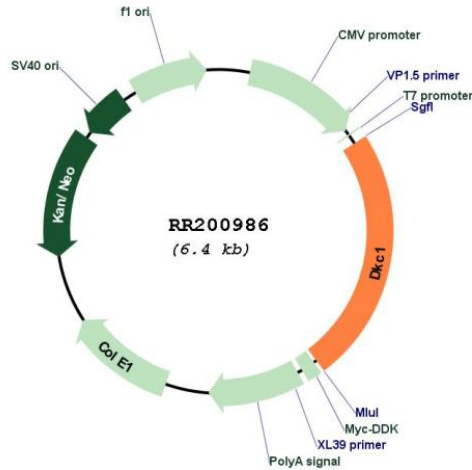
Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

Plasmid Map:


ACCN: NM_133419

ORF Size: 1527 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_133419.1](#), [NP_596910.1](#)

RefSeq Size: 1803 bp

RefSeq ORF: 1530 bp

Locus ID: 170944

UniProt ID: [P40615](#)

Cytogenetics: Xq37

MW: 56.6 kDa

Gene Summary: nucleolar protein expressed in liver; colocalized with Nopp140 protein; may be involved with rRNA processing [RGD, Feb 2006]