

Product datasheet for **RR207084**

Kb23 (NM_001008813) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Kb23 (NM_001008813) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Kb23
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RR207084 representing NM_001008813
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGACCTGTGGCTTTCAAACCTGGAACCTCGGCTGCGCCTCAGCCTGTGGCCCCGTCCCGGCCGTGCT
 GCATCACTGCAGCTCCCTACAGGGGCATCTCTGCTACCGCGGACTCTCAGGGGGCTTCGGCAGCCGAG
 CGTCTGTGGGGCTTCCGCTCTGGCTCTGTGGACGCAGCTTCGATACCGATCCGAGGCGTCTGCGGA
 CCCAGCCCCCTGCATCACCACCGTCTCTGTCAACGAGAGCCTGCTCACCCCCCTCAACCTGGAGATCG
 ACCCCAATGCTCAGTGCCTGAAGCATGAGGAGAAGGAGCAGATCAAGTGCCTGAACAGCAGGTTTCGCGGC
 CTTTCATCGACAAGGTGCGCTTCTGGAGCAGCAGAACAAGCTGCTGGAGACCAAGTGGCAGTTCTCCAG
 AACCGCAAGTGTGTGAGAGCAATGTGGAGCCTCTGTTTCGAGGGCTACATCGAGACTCTGAGGCGGGAGG
 CTGAGTGTGTGGAGGCCGACAGCGGGAGGCTGGTCTGAGCTCAACCATGCACAGGAGGCCATGGAGGG
 CTACAAGAAGAGGTATGAAGAAGAAGTTGCACTCCGGGCCACAGCAGAGAATGAGTTTGTGGCTCTAAAG
 AAGGATGTGGACTGTGCCTACCTGCGCAAGTCAGACCTGGAGGCCAATGCAGAGGCACTGACCCAGGAGA
 TCGACTTCTGAGGCGACTGTATGAGGAGGAGACCCGCATCTCCACGCCACATCTCAGACACCTCCGT
 CATCGTCAAGATGGACAACAGCCGGGACCTGAACATGGATTGCGTCATTGCTGAGATCAAGGCTCAGTAC
 GATGACATTGCCAGCCGAGCCGCGCAGAGGCCGAGTCTGGTACCGCACCAAGTGTGAGGAAATAAAGG
 CCACAGTGATCCGGCATGGAGAGACCCTGCGTCGCACAGAGAGGAGATCAATGAGCTGAACAGAATCAT
 CCAGAGGCTGACAGCCGAGATCGAGAATGCCAAGTGCCAGAACACCAAGTGGAGGCTGCTGTGACCCAG
 TCTGAGCAGCAGGAGAGGCTGCCCTCACCGATGCCCGCTGCAAGCTGGCTGAGCTGGAGGCTGCCCTGC
 AGAAGGCCAAGCAAGACATGGCCTGCCTGCTCAAGGAGTACCAGGAGTGATGAACCTCAAGCTGGTCT
 GGACATCGAGATCGCCACCTACAGGCGCCTGCTGGAGGGCGAGGAACAGAGGCTGTGTGAAGGCGTGGGA
 GCCGTGAATGTGTGCTTCTGGCTCCCAAGAGGAGGCTCCTCTACACAATTACAACTAAAAACGAGG
 CTTTTTGTGCCATTCTCAGAGGCTGGAGTAAACAAACGGACCAAGGAAGGTGTGAGCAGCTCCCGTG
 GTGGAGTTGTGTGCGGGACCTCTGTGTCTGGTTCAAGGCCTGTGACAGGCAGTGTCTGAGTGCCCC
 ATGCAGCGGGAATGTGGCAGTGAGCACAGGCTGTGTGCACCCTGTGGAAGTGGCCCTGTACCAGGGG
 AGGTGTTAGGAGTCAAGAGGGAGCAAGCAGCCTGGCCTACAAGGCTGACCTCGGAGGCCTCAAGGTCTG
 TTGCCATCCTCAGTAGCTGCCCTCCAGCTACCTGCTGGCAAGGGCTTGCTGC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR207084 representing NM_001008813
 Red=Cloning site Green=Tags(s)

MTCGFQTGNFGCASACGPRPGRCCITAAPYRGISCYRGLSGGFGSRVCGAFRSGSCGRSFGYRSGGVCG
 PSPPCITTYSVNESLLTPLNLEIDPNAQCVKHEEKEQIKCLNSRFAAFIDKVRFLAQNKLLLETKWQFFQ
 NRKCCESNVEPLFEGYIETLRREAECEVADSGRLAAELNHAQEAMEGYKKRYEEVALRATAENEFVALK
 KDVDCAYLKSDLEANAALQEIDFLRRLYEEETRIHHAHISDTSVIVKMDNSRDLNMDCVIAEIKAQY
 DDIASRSRAEAESWYRTKCEEIKATVIRHGETLRRTREEINELNRIIQRLTAEIENAKCQNTKLEAVTQ
 SEQQGEAALTDARCKLAELAAALQAKQDMACLLKEYQVVMNSKGLDIEIATYRRLLEGEEQRLCEGVG
 AVNVCFLAPKRRLLYTTYKLKTEAFCAIPQRAGVNRKTKGRCQQLPWWSCVRGPLCVWFKACDRQCLQCP
 MQRECGSEHRPVCTLWKWPLSPGEVLGVKREPSSLAYKADLGGKLVCCPSSVAAPPATCWQGACC

TRTRPLE**QKL**ISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:


ACCN: NM_001008813

ORF Size: 1665 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_001008813.1](#), [NP_001008813.1](#)

RefSeq Size: 1668 bp

RefSeq ORF: 1668 bp

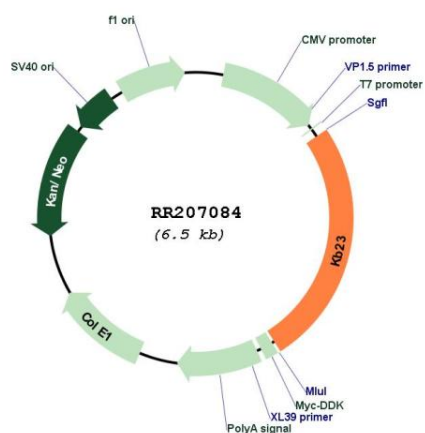
Locus ID: 407759

Cytogenetics: 7q36

MW: 62.2 kDa

Gene Summary: member of the keratin gene family; type II keratins are basic proteins that heterodimerize with type I keratins in the formation of hair and nails [RGD, Feb 2006]

Product images:



Circular map for RR207084