

Product datasheet for **RR210122**

Krt16 (NM_001008752) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Krt16 (NM_001008752) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Krt16
Synonyms:	Ka16; Krt14; Krt14l
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RR210122 representing NM_001008752
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGCCACCTGCAGCCGTCACTTCACTCCTCCAGCTCCATGAAGAGCTCCTGTGGCATCGTGGTGGCT
 CTAGCCGCATGTCTCCGTCTGGCTGGAGGATCCTGCCGGGCTCCAGCACTTATGGGGCATGTCCGT
 CACCTCCTCTCGTTCTCCTCTGGGGCAGCCTGTGGGATTGGAGGTGGCTATAGTGGGGCTTCAGCAGC
 AGCAGTTTTGGTGGTGGATTTGGTGGAGGACTTGGTGGTGGATTTGGTGGAGGACTTGGTGGTGGATTTG
 GTGGTGGTCTTGGCGATGGGCTCCTGGTGGCAGTGAGAAAGTGACCATGCAAAACCTCAATGACCGCTT
 GGCCACCTACCTGGATAAGGTGCGTGCCCTGGAAGAGGCCAACAGTGACCTGGAGGTGAAGATCCGTGAC
 TGGTACCAGAGGCAGCGTCCCACTGAGATCAAAGACTACACCCCTTCTCAGGACCATCGAGGACCTGC
 AGAGCAAGATCGTTAGAGCCAAGCAGGAGAATGCGCAGTCCGTTTTGCAGATCGACAATGCCAGGCTGGC
 AGCTAATGACTTCAGGACCAAGTATGATAATGAGACGTCCTTGCCTCAGTTAGTGGAAAGTGACATCAAC
 AACCTTCGCCGTGTGCTGGATGAACTGACTATGTCCAGGGCAGACCTGGAGATGCAGATCGAGAGTCTCA
 GGGAGGAGCTGGCCTACCTGAAGAAGAATCACGAGGAGGAGATGCTTGCCTTGAGGGGTCAGACTGGTGG
 GGACGTCAACGTGGAGATGGACGCAGCTCCTGGTGTGGACCTGAGCCGCATCCTGAACGAGATGAGGGAC
 CAGTATGAGCAGATGGCAGAGAAGAACCAGAGATGTGGAGGCTGGTTCAGAGCAAGACCGAGGAGC
 TGAACCAAGAGGTGGCTTCTAACCATGAGCTGATACAGAGCGGCCGAGCGAGGTGTCTGAGCTCCGCGAG
 GGTGTTCCAGGGCCTGGAGATCGAACTGCAGTCCAGCTCAGCATGAAAGCATCCTTGGAGAACAGCCTA
 GAAGAGACCAAAGGCAGATACTGCGTGCAGTGTCCAGATCCAGGGTTGATCGGCAGCCTGGAGGAGC
 AGCTGGCTCAGCTGCGCTGCGAGATGGAGCAGCAGAGCCAGGAGTACAACATCTTGTGGTGTGAAGAC
 TCGGCTGGAGCAGGAGATCGCCACCTACCGCCGTCTGCTGGATGGCGAGAATGTCCACAGCTCCTCCTCA
 CAGCACTCCTCTGGCAGTCTATTCTTCTGGAGAAGTCTTCTCCTCATCCTCCCGGCAGCCCCGGTCCA
 TCCTCAAGGAGCAAGGCTCAACCAGCTTCAGCCAGAGCCAAAGTCAGAGTCCGGGTAC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR210122 representing NM_001008752
 Red=Cloning site Green=Tags(s)

MATCSRQFTSSSSMKSSCGIGGGSSRMSSVLGGSCRAPSTYGGMSVTSSRFSSGAACGIGGGYSGGFSS
 SSFGGGFGGGLGGGFGGGLGGGFGGGLGDGLLVGSEKVTMQLNDRLATYLDKVRAL EEA NSDLEVKIRD
 WYQRQRPT EIKDYTPFFRTIEDLQSKI VRAKQEN AQSVLQIDNARLAANDFR TKYDNETSLRQLVESDIN
 NLRRLVDEL TMSRADLEMQIESLREELAYLKNHEEMLALRGQTGGDVNVEMDAAPGV DLSRILNEMRD
 QYEQMAEKNRDVEAWFQSKTEELNQEVA SNHEL IQSGRSEVSELRRVFQGLEIELQSQLSMKASLENSL
 EETKGRYCVQLS IQGLIGSLEEQLAQLRC EMEQQSQEYNILLDVKTRLEQEIATYRRLLDGENVHSSSS
 QHSSGQSYSSGEV FSSSRQPR SILKEQGSTSFSSQSQSSGY

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_001008752

ORF Size: 1389 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_001008752.1](#), [NP_001008752.1](#)

RefSeq Size: 1392 bp

RefSeq ORF: 1392 bp

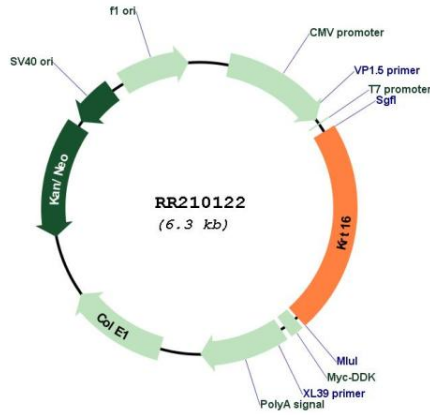
Locus ID: 303530

Cytogenetics: 10q31

MW: 50.8 kDa

Gene Summary: an intermediate filament protein; upregulated in squamous cell papillomas and carcinomas [RGD, Feb 2006]

Product images:



Circular map for RR210122