

## Product datasheet for **RR203667**

### **Krt39 (NM\_001004130) Rat Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Krt39 (NM_001004130) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Krt39
Synonyms:	Ka35
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

**ORF Nucleotide Sequence:**

>RR203667 representing NM\_001004130  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGATACCAAGGGCTCTACAGTACTATTTCTTCTTCGACCCCAACCCAAAACCTGCTCTGGGAATACAA  
 ATGTCAGGACTAACTCTTCTAACAAGAGCTGTTATCATGATGTTCACTCACTGGCCATGCTCTACAAAC  
 TCCCCAGGGCCAGGGCTGTCGCCCCAGCCCTGCCTTTATCGCTGCCCTAACTACTTGATAGAACCCTAC  
 AGCTTCCACCCCTGTCCGGATGACTGCAGCCGGTCTGACGGCATTAAACAGTCATGAGAAAGAGACCA  
 TGCAGATTTTGAACGAACGCCTTGAAGCTATCTGAAAAAGTGCAGGATGCTGGAAGGAGAGAACCGGA  
 CCTAGAGGATAAAATCCAGGAGGAGTGCAGCAAGACACTCCCCATCCTGTGCTGACTACCTGTCTAC  
 TACACCACCATCGAGCAGCTGCAGCAGAAGATCTTGTGTACCAAGGCTGAAAATCCAGACTGGTCTCAC  
 AAATTGACAACACCAAACCTGGCTGCAGATGACTTGAGAGCAAAGTATGAAGCTGAATTGTCCTACGCCA  
 GCTCGTGAAGCCGACGCCAATGGCCTGAAGCAGATCCTGGATGACTGACTCTGAGTAAGGCTGATCTG  
 GAGGCTCGAGTCCAGTCTCTGACGGAGGAATCTGTGCCTCAAAACAAACCATGAGGAGAAATTAATT  
 CCTTACAGTGCCAACTTGGGGACAGAATCAACATTGAAGTAACAGCTGCCCTTCTGTTGATCTAAATCA  
 AATCCTACAAAAATGAGATGCCAGTATGAGTCCATTGTGGAGACAAACCGTAAAGACGTAGAAGAATGG  
 TTCAATACACAGATGGAGGAAGTGAATCAACAGGTAGTGAGCAGCTCTCAACAGCAGCAATGCTGCCAGA  
 AGGACATCATAGAGCTGAGACGGACCATAAGTGCCTCGAGGTTGAGCTGCAGGCCCAGCATCGAATGAG  
 AGATCCCAGGAATGCATCCTAGCAGAGACAGAGGCCGATACACAGCCCTGCTGGCCAAATCCAGAGT  
 CTGATCCATAACCTGGAGGCTCAGGTAGCAGAAATCCGCAGTGCCTGCAAAGACAGAACCAGGAATATG  
 AAGTTCTGCTAGACATCAAGTCCCGGCTGGAGTGTGAGATAGCCACCTACCGCAGTCTTCTGGAGAGCTT  
 GGATGGCAGGCTTCCCTGTAACCCATGTACCACTACATGGGAGCCATCCTGCCAGGCCAGAGCTATGGAG  
 TGTCTTACCCAGTTTATACATCTATATCACTCCCGGGATTACAAGCCCTGCCGTGCCTCTGGACCCC  
 CATCCCGGATACTGGTTAAGATATGCACCATCACCAAGGAGATCAAGGATGGAAGGTCATTTCTTCTCA  
 CGAGCATGTGCAGCCTTGTACATCACACAGACCTGCCAAAGTC

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RR203667 representing NM\_001004130  
 Red=Cloning site Green=Tags(s)

MDTKGSTVTISSSTPPQNCSGNTNVRTNSSNKSCYHVDVQSTGHALQTPQGQGRPSPCLYRCPNYLIRTY  
 SFHPCPDDCSRSDGINSHEKETMQILNERLASYLEKVRMLEGENADLEDKIQEESKTLPIPCPDYLSY  
 YTTIEQLQKILCTKAENSRLVSQIDNTKLAADDLRAKYEAELSLRQLVEADANGLKQILDALTLKADL  
 EARVQSLTEELLCLKTNHEEEINSLQCQLGDRINIEVTAAPSVDLNQLQKMRQCYESIVETNRKDVVEW  
 FNTQMEELNQVVSSSQQQCCQKDI IELRRTISALEVELQAQHRMRDSQECILAE TEARYTALLAQIQS  
 LIHNLEAQVAEIRSALQRQNQEYEVLLDIKSRLECEIATYRSLLES LDGRLPCNPCTTTWEPSCQARAME  
 CLTPVYTSISLPGIHKPCRASGPPSRILVKICTITKEIKDGKVISSHEHVQPCYITRPAKV

**TR**TRPLEQ**KL**ISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shutting:



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

**ACCN:** NM\_001004130

**ORF Size:** 1443 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\\_001004130.1](#), [NP\\_001004130.1](#)
**RefSeq Size:** 1446 bp

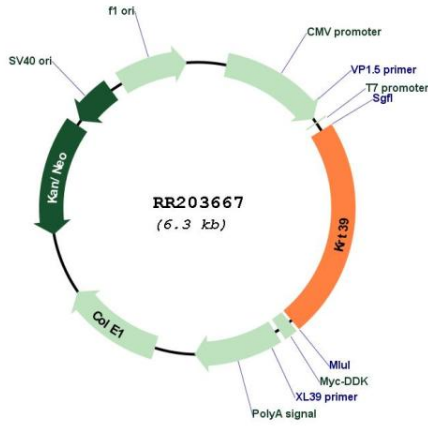
**RefSeq ORF:** 1446 bp

**Locus ID:** 303523

**UniProt ID:** [Q6IFW3](#)

**Cytogenetics:** 10q31  
**MW:** 54.3 kDa  
**Gene Summary:** member of the keratin gene family; type I keratins are acidic proteins that heterodimerize with type II keratins in the formation of hair and nails [RGD, Feb 2006]

**Product images:**



Circular map for RR203667