

## Product datasheet for **RR201467**

### **Krt13 (NM\_001004021) Rat Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Krt13 (NM_001004021) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Krt13
Synonyms:	Ka13
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

**ORF Nucleotide Sequence:**

>RR201467 representing NM\_001004021  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGAGCTGTCGCTTTAGAGTTCCTCCATGAGCTATGGAGGTGGTTTTGGGGCTGGTTCTTGCCAGCTTG  
 GAGGAGGCCGGAATATCTCTACCTGTTCTTCTCGGTTTGTCACTGGAGGATCATCTGGAGGCTACGGAGG  
 TGGCATGAGCTGTGGCTTTGGTGGAGGGCTGGTGGTGGTTATGGAGGTGGCTTTGGAGGTGGCTTTGGA  
 GGTAAGTGTGCGACGGTGGCCTCCTCTCTG  
 GCAATGAGAAGATTACCATGCAGAACCTCAATGACCGCCTGGCCAGTACCTGGAAAAGGTGCGCGCCTT  
 GGAGGCAGCCAATGCCGACTTGGAGGTGAAGATTCGTGACTGGCATCTGAAGCAGAGCCCAACCAGTCCA  
 GAGCGGGACTACAGTCTACTATAAGACCATAGAGGAGCTCCGGATCAAGATTCTGGAAGCCACCACCG  
 ACAACAACCGGATCGTCCTGGAGATCGACAATGCCAGGCTGGCTGCAGATGACTTCAGGCTCAAGTATGA  
 AACGAGCTGGCCTTGCGCCAGAGCGTGGAGGCGGACATCAACGGTCTGCGCAGGGTGTGGACGAGCTG  
 ACCCTGGCTAAGACTGACCTGGAGATGCAGATTGAGAGCTTGAATGAAGAAGTGGCTTACCTGAAGAAGA  
 ACCACGAAGAGGAGATGAAGGAATTCAGCAACCAGGCAGTAGGCCAAGTCAATGTGGAGATGGACGCCAC  
 CCCTGGCATTGATCTGACCCGTGTGCTGGCTGAGATGAGGGAACAGTATGAAGCCCTGGCAGAGAAGAA  
 CGGAGGGATGCCGAGGCATGGTTCAGGCCAAGAGTGCAGAACTGAACAAGGAAGTATCCTCCAATGCTG  
 CCATGATTCAGACCAGCAAGACAGAGATCACAGAGCTCCGGCGCACACTCCAGGGTCTGGAGATTGAGCT  
 GCAATCCCAGCTGAGCATGAAAGCCGGCCTGAAAAGTACCTTGGCAGAGACGGAGTCCGNTACGCCCTG  
 CAGCTGCAACAGATCCAGGCTCTCATCAGCAGCATCGAGGCCAGCTGAGCGAGCTCCGCAGCGAGATGG  
 AGTGCCAGAACCAGGAATAACAAGATGCTGCTGGACATCAAAACACGGCTGGAGCAGGAGATCGCCACCTA  
 CCGCAGCCTGCTAGAGGGCCAGGATGCTAAGATGACTGGCTTCAACACTGGAGGAAATAGCACTACCACC  
 TCCAACACATCCACCTCCCCCTCACTTCTGGTCGCCGGATTTCCGAAAGTAT

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RR201467 representing NM\_001004021  
 Red=Cloning site Green=Tags(s)

MSCRFQSSMSYGGGFGAGSCQLGGGRNISTCSSRFVTGGSSGGYGGMSSCGFGGGAGGGYGGGFGGGFG  
 GSCGGGFGGGFGDFGSVDGGLLSGNEKITMQLNDRLASYLEKVRALAAANADLEVKIRDWHLKQSPSTP  
 ERDYSAYYKTIEELRIKILEATTDNNRIVLEIDNARLAADDFRLKYENELALRQSVEADINGLRRVLDL  
 TLAKTDLEMQIESLNEELAYLKKNHHEEMKEFSNQAVGQVNVEMDATPGIDLTRVLAEMREQYEALAEKN  
 RRDAEAWFQAKSAELNKEVSSNAAMIQTSKTEITELRRTLQGLEIELQSQLSMKAGLESTLAETECXYAL  
 QLQIQALISSIEAQLSELRSEMECQNQEYKMLLDIKTRLEQEIATYRSLLEGQDAKMTGFNTGGNSTTT  
 SNTSTSPSTSGRPDFRKY

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**


**ACCN:** NM\_001004021

**ORF Size:** 1314 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\\_001004021.1](#), [NP\\_001004021.1](#)

**RefSeq Size:** 1317 bp

**RefSeq ORF:** 1317 bp

**Locus ID:** 287699

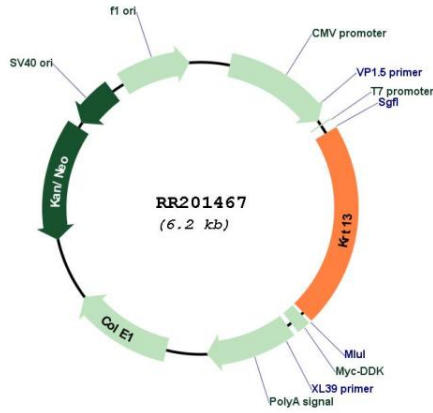
**UniProt ID:** [Q6IFV4](#)

**Cytogenetics:** 10q31

**MW:** 47.7 kDa

**Gene Summary:** human homolog plays a role in epidermal development [RGD, Feb 2006]

**Product images:**



Circular map for RR201467