

## Product datasheet for **RC201619**

### Cytokeratin 17 (KRT17) (NM\_000422) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Cytokeratin 17 (KRT17) (NM_000422) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Cytokeratin 17
Synonyms:	39.1; CK-17; K17; PC; PC2; PCHC1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

**ORF Nucleotide Sequence:**

>RC201619 ORF sequence  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGACCACCTCCATCCGCCAGTTCACCTCCTCCAGCTCCATCAAGGGCTCCTCCGGCCTGGGGGGCGGCT  
 CGTCCCGCACCTCTGCCGGCTGTCTGGCGCCTGGGTGCCGGCTCCTGCAGGCTGGGATCTGCTGGCGG  
 CCTGGGCAGCACCTCGGGGTAGCAGCTACTCCAGCTGTACAGCTTTGGCTCTGGTGGTGGCTATGGC  
 AGCAGCTTTGGGGGTGTTGATGGCTGTGGCTGGAGGTGAGAAGGCCACCATGCAGAACCTCAATGACC  
 GCCTGGCCTCTACCTGGACAAGGTGCGTGCCTGGAGGAGGCCAACACTGAGCTGGAGGTGAAGATCCG  
 TGACTGGTACCAGAGGCAGGCCCGGGGCCCGCCGTGACTACAGCCAGTACTACAGGACAATTGAGGAG  
 CTGCAGAACAAAGATCCTCACAGCCACCGTGGACAATGCCAACATCCTGCTACAGATTGACAATGCCCGTC  
 TGGCTGCTGATGACTTCCGCACCAAGTTTGAGACAGAGCAGGCCCTGCGCCTGAGTGTGGAGGCCGACAT  
 CAATGGCCTGCGCAGGGTCTGGATGAGCTGACCTGGCCAGAGCCGACCTGGAGATGCAGATTGAGAAC  
 CTCAAGGAGGAGCTGGCCTACCTGAAGAAGAACCACGAGGAGGAGATGAACGCCCTGCGAGGCCAGGTGG  
 GTGGTGGATCAATGTGGAGATGGACGCTGCCAGGCCGTGGACCTGAGCCGCATCCTCAACGAGATGCG  
 TGACCAAGTATGAGAAGATGGCAGAGAAGAACCGAAGGATGCCGAGGATTGGTTCTTCAGCAAGACAGAG  
 GAACTGAACCGCAGGTGGCCACCAACAGTGAAGTGGTGCAGAGTGGCAAGAGTGAAGTCTCGGAGCTCC  
 GGCGCACCATGCAGGCCCTGGAGATAGAGCTGCAGTCCCAGCTCAGCATGAAAGCATCCCTGGAGGGCAA  
 CCTGGCGGAGACAGAAACCGCTACTGCGTGCAGCTGTCCAGATCCAGGGGTGATTGGCAGCGTGGAG  
 GAGCAGCTGGCCAGCTTCGCTGCGAGATGGAGCAGCAGAACCAGGAATACAAAATCCTGCTGGATGTGA  
 AGACGCGCTGGAGCAGGAGATTGCCACTACCGCCGCTGCTGGAGGGAGAGGATGCCACCTGACTCA  
 GTACAAGAAAGAACCGGTGACCACCGTACAGTGCCTACCATTTGGAAGAGGTCCAGGATGGCAAGGTC  
 ATCTCTCCCGCAGCAGGTCCACCAGACCACCCGC

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RC201619 protein sequence  
 Red=Cloning site Green=Tags(s)

MTTSIRQFTSSSSIKGSSGLGGSSRTSCLSGGLGAGSCLGSAGGLGSTLGGSSYSSCYSGSGGGY  
 SSFGGVDGLLAGGEKATMQNLNDRLASYLKVRALAEANLELVKIRDWYQRQAPGPARDYSQYYRTIEE  
 LQNKILTATVDNANILLQIDNARLAADDFRTKFETEALRLSVEADINGLRRVDELTLARADLEMQIEN  
 LKEELAYLKKNHHEEEMNALRGQVGGEINVEMDAAPGVDLSRILNEMRDQYEKMAEKNRKAEDWFFSKTE  
 ELNREVA TNSELVQSGKSEISELRRMQALEIELQSQLSMKASLEGNLAETENRYCVQLSQIQGLIGSVE  
 EQLAQLRCEMEQQNQEYKILLDVKTRLEQEIATYRRLLEGEDAHLTQYKKEPVTTTRQVRTIVEEVQDGK  
 ISSREQVHQTR

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:**

[https://cdn.origene.com/chromatograms/mk6541\\_g05.zip](https://cdn.origene.com/chromatograms/mk6541_g05.zip)

**Restriction Sites:**

Sgfl-Mlul

**Cloning Scheme:**

**ACCN:** NM\_000422

**ORF Size:** 1296 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\\_000422.3](#)
**RefSeq Size:** 1574 bp

**RefSeq ORF:** 1299 bp

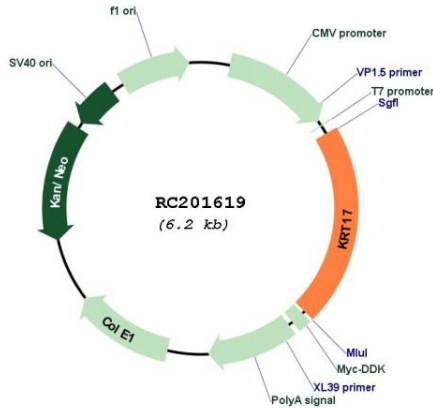
**Locus ID:** 3872

**UniProt ID:** [Q04695](#)
**Cytogenetics:** 17q21.2

**MW:** 48.1 kDa

**Gene Summary:** This gene encodes the type I intermediate filament chain keratin 17, expressed in nail bed, hair follicle, sebaceous glands, and other epidermal appendages. Mutations in this gene lead to Jackson-Lawler type pachyonychia congenita and steatocystoma multiplex. [provided by RefSeq, Aug 2008]

**Product images:**



Circular map for RC201619