

## Product datasheet for RR215285

### Krt19 (NM\_199498) Rat Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Krt19 (NM\_199498) Rat Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** Krt19  
**Synonyms:** Ka19; Krt1-19  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**ORF Nucleotide Sequence:** >RR215285 representing NM\_199498  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**GCGATCGCC**

ATGACTTCCTATAGCTATCGCCAGTCCCTCAGCCATGTCTTCTATGGGGCATGGCGGGGGTCCCCTGCG  
GCTTTGGGTGAGGGGTGTTTTCCGCGCACCTAGCATCCATGGGGCTCAGGTGGCCGTGGCGTGTCCGT  
GTCTCGACCCGCATCGTGTCTCATCTCCGGGGCTATGTCGGAGGACGCGGTGGAAGTTTTAGTGGG  
GCCCTGACTGTGACCGATGGGCTGCTGGGTGGCAATGAGAAGATCACCATGCAGAACCTGAACGATCGCC  
TCGCCTCTACTTGGACAAGGTGCGCGCCTGGAGCAGGCTAATGGCGAGCTGGAGGTGAAGATTCGCGA  
CTGGTACCAGAAGCAGGGACCCGGGCCCTTCCGTGATTACAGCCAGTACTTCAAGACCATCGAGGACTTG  
CGCGACAAGATCCTTGGCGCCACCATTGAGAACTCCAAGATAGTCTACAGATCGACAATGCCCGCCTGG  
CTGCAGATGACTTCCGGACCAAGTTTGAGACAGAACAGGCCCTGCGCATGAGTGTGGAGGCCGACATCAA  
CGGCCTGCGCCGGGTGCTGGATGAGCTGACCCTGGCCAGGACCGACCTGGAGATGCAGATAGAGAACCTG  
AAGGAGGAGCTGGCCTACCTGAAGAAGAACCACGAGGAGGAAATTAGTGCCCTGAGGAGCCAGGTGGGTG  
GCCAGGTCAGTGTGGAGGTGGATTCACACCAGGATTGACCTAGCCAAGATCCTGAGTGAAGATGAGAAG  
TCAGTATGAGGCCATGGCAGAGAAGAACCAGGATGCTGAAGCCTGGTACCTTACTCAGATTGATGAG  
CTGAACACCCAGGTGCTGTCCACACTACGAGATCCAGATAAACAAGACTGAGGTACCGAACTCCGAC  
GTAAGGTCAGGACCTTGAGATTGAATTGCAGTCTCAGCTCAGCATGAAAGCTGCCCTGGAAGGCACTGT  
GGCAGAGATAGAGGCCGTTACGGAGCCAGCTGTACACATCCAGGTTGTGATCAGCAGTATTGAAGTC  
CAGCTGAGTAACGTGCGTGTGACACAGAGCGCCAGAACCAGGAGTATCAGCAGCTCATGGACATCAAGT  
CGAGGCTGGAGCAGGAGATCGCCACCTACCGAAGCCTGCTTGAGGGCCAGGAAGCCCACTACAACAGTCT  
GTCCATCGCCAAGGCCCTC

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >RR215285 representing NM\_199498  
Red=Cloning site Green=Tags(s)

MTSYSYRQSSAMSSYGGMGGPVRFSGGGVFRAPSIHGGSGGRGVSVSSTRIVSSSSGGYVGGRRGGSFSG  
 ALTVTDGLLGGNEKITMQNLNDRLASYLDKVRALEQANGELEVKIRDWYQKQGGPFRDYSQYFKTIEDL  
 RDKILGATIENSKIVLQIDNARLAADDFRTKFETEALRMSVEADINGLRRVLDELTLARTDLEMQIENL  
 KEELAYLKKNHHEEII SALRSQVGGQVSVVDSTPGIDLAKIL SEMRSQYEAMAENRKADEAWYLTQIDE  
 LNTQVAVHTTQIQINKTEVTELRKRVQDLEIELQSLMKAALEGTVAEIEARYGAQLSHIQGVISSIEV  
 QLSNVRADTERQNEYYQLMDIKSRLEQEIATYRSLLEGQEAHYNLSIAKAL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

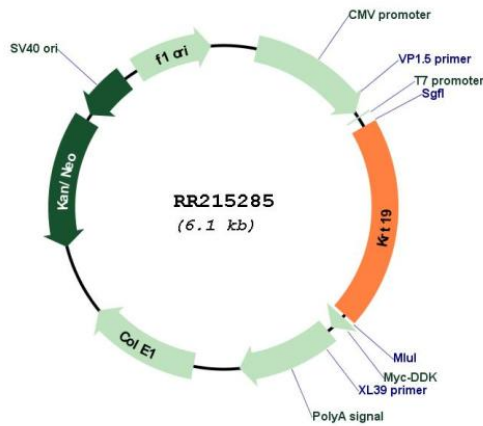
**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:**

NM\_199498

<b>ORF Size:</b>	1209 bp
<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_199498.2</a> , <a href="#">NP_955792.1</a>
<b>RefSeq Size:</b>	1380 bp
<b>RefSeq ORF:</b>	1212 bp
<b>Locus ID:</b>	360626
<b>UniProt ID:</b>	<a href="#">Q63279</a>
<b>Cytogenetics:</b>	10q31
<b>MW:</b>	44.6 kDa
<b>Gene Summary:</b>	Involved in the organization of myofibers. Together with KRT8, helps to link the contractile apparatus to dystrophin at the costameres of striated muscle (By similarity). [UniProtKB/Swiss-Prot Function]