

Product datasheet for **MR206318**

Krt19 (NM_008471) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Krt19 (NM_008471) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Krt19
Synonyms:	Al663979; CK-19; End; EndoC; K19; Krt-1.1; Krt-1.19; Krt1-1; Krt1-19
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR206318 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGACTTCCTATAGCTATCGCCAGACCTCAGCTATGTCTTCTTTGGGGTACGGCGGGGGTTCAGTAC
GCATTGGGTCAAGGGGTGTTTTCCGCGCACCCAGCATCCACGGGGCTCAGGTGGCCGCGCGTGTCCGT
GTCCTCCACCCGCTTCGTGACCTCGTCTCCGGGAGCTATGGCGGAGTCCGCGTGAAGTTTTAGTGG
ACCCTGGCTGTCTGATGGCTGCTGTCTGGCAATGAGAAGATCACCATGCAAAACCTCAATGATCGTC
TCGCCTCTACTTGGACAAGGTGCGGCCCTAGAGCAGGCAATGGCGAGCTGGAGTGAAGATCCGCGA
CTGGTACCAGAAGCAGGGACCCGACCCCTCCGAGATTACAACCACTACTTTAAGACCATCGAGGACTTG
CGCGACAAGATTCTTGGTGCCACCATTGACAACCTCCAAGATTGTCTACAGATTGACAATGCTCGCTGG
CTGCAGATGACTTCAGAACCAAGTTTGAGACAGAACACGCCTTGCCTGAGCGTGGAGGCCGACATCAA
CGGCCTGCGCCGGGTGCTGGATGAGTGACTCTGGCCAGGACTGACCTGGAGATGCAGATTGAGAGCCTG
AAGGAGGAGTGGCTACCTGAAGAAGAACCATGAGGAGGAAATTAAGCCCTGAGGAGCCAGGTGGGTG
GCCAGGTCAAGTGGAGGTGGATTCCACTCCCGGTGTCGACCTAGCCAAGATCCTGAGTGAGATGAGAAG
TCAGTATGAGATCATGGCCGAGAAGAACCAGGAAGATGCTGAAGCCACCTACCTTGCTCGATTGAGGAG
CTGAACACCCAGGTGCGCGTCCACTCTGAGCAGATCCAGATAAGCAAGACCGAAGTCACGGACCTTCGAC
GGACCCTCAGGGCCTTGAGATTGAGCTGCAGTCCCAGCTCAGCATGAAAGCTGCCCTGGAAGGCAGCT
GGCAGAGACGGAGGCCGTTATGGAGTCCAGCTGTACAGATCCAGAGCGTGATCAGCGTTTTGAAGCC
CAGCTGAGCGACGTGCGTGCCGACATAGAGCGCCAGAACCAGGAGTATAAGCAGCTCATGGACATCAAGT
CCAGGCTGGAGCAGGAGATCGCCACCTACCGCAGCCTGCTGGAGGGCCAGGAAGCCCACTACAACAATCT
GCCACCCCAAGGCCATC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
ACAAGGATGACGACGATAAAGTTTAA



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Protein Sequence: >MR206318 protein sequence
Red=Cloning site Green=Tags(s)

MTSYSYRQTSAMSSFGGTGGGVRIGSGGVFRAPSIHGGSGGRGVSVSSTRFVTSSSGSYGGVRRGGSFSG
 TLAVSDGLLSGNEKITMQNLNDRLASYLDKVRALEQANGELEVKIRDWYQKQGGPGRDYNHYFKTIEDL
 RDKILGATIDNSKIVLQIDNARLAADDFRTKFEHALRLSVEADINGLRRVLDELTLARTDLEMQIESL
 KEELAYLKKNHHEEITALRSQVGGQVSVVDSTPGVDLAKILSEMRSQYEIMAEKNRKDAEATYLARIEE
 LNTQVAVHSEIQISKTEVTDLRRTLQGLEIELQSQLSMKAALEGTLAETEARYGVQLSQISVISGFEEA
 QLSDVVRADIERQNEQYKQLMDIKSRLEQEIATYRSLLEGQEAHYNNLPTPKAI

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_008471

ORF Size: 1212 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_008471.3](#)

RefSeq Size: 1509 bp

RefSeq ORF: 1212 bp

Locus ID: 16669

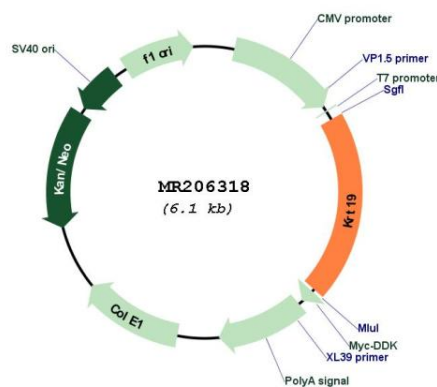
UniProt ID: [P19001](#)

Cytogenetics: 11 63.42 cM

MW: 44.5 kDa

Gene Summary: The protein encoded by this gene is a member of the keratin family. The keratins are intermediate filament proteins responsible for the structural integrity of epithelial cells and are subdivided into cytokeratins and hair keratins. The type I cytokeratins consist of acidic proteins which are arranged in pairs of heterotypic keratin chains. Unlike its related family members, this smallest known acidic cytokeratin is not paired with a basic cytokeratin in epithelial cells. It is specifically expressed in the periderm, the transiently superficial layer that envelops the developing epidermis. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Sep 2015]

Product images:



Circular map for MR206318