

Product datasheet for **RR209707**

Krt15 (NM_001004022) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Krt15 (NM_001004022) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Krt15
Synonyms:	Ka15
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide Sequence:

>RR209707 representing NM_001004022
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGCCACCACATCTTGCAGACATCTCCACCTTTGGAAGTGGCTACCCGAGGGGTTCCCTCCGTG
 TTGGTGGAGGCAGCTTTGGTGGAGGAGTCTCTATGGGGGAGGTGGGAGCCGAAGCATCTCTGCTTCTT
 TGCTAGGTTTGTCTTTCAGGGGACAGGAGTGGGTTTCGGGGTGGCATGAGTTGTGGTTTTGGTGGAGGC
 TTTGGTGGGGTTTTGGCGGTGGCTTCGGTACTTTGGTGGTGGCGATGGAGGTCTCCTCTCTGGCAATG
 AGAAGGTGACCATGCAGAACCTCAACGACCCGCTGGCCTCTACCTGGACAAGGTGCGCGCCCTGGAAGA
 GGCCAACACAGAGCTGGAGGTGAAGATCCGAGACTGGTACCAGAAGCAGAGCCCGCAAGTCCAGACCGG
 GACTACAGCCATTACTTCAAGACCATGGAAGAGATCCGGGACAAAATTCTGGCTGCCACCATTGACAACT
 CGCGTGTATCCTGGAGATCGACAATGCTAGGCTGGCAGCGGACGACTTCAGGCTCAAGTATGAGAAATGA
 GCTGGCCCTTCGTCAGGGCGTGGAGGCCGACATCAATGGGCTGCGGAGGGTGTGGTGAAGTACCCCTG
 GCCAGGACTGACCTGGAGATGCAGATTGAGCAGTTGAACGAGGAGCTGGCCTACCTGAAGAAGAATCATG
 AGGAGGAGATGAAAGAGTTCAGCAGTCACTGGCTGGCCAGGTCATGTGAAATGGACGACACCCCGG
 GGTGGACTGACCCGCATGCTGGCAGAGATGAGGGAACAGTATGAGGCCATTGCGGAGAAAAACCGTCGG
 GATGTAGAGGCCTGGTTCTTCAAGACTGAAGAGCTGAACAAGGAGGTGGCGTCTAACACAGAAATGA
 TCCAGACCAGCAAGACTGAGATCACAGACCTGAGACGGACCTGCAGGGGCTAGAGATCGAGCTGCAGTC
 TCAACTCAGCATGAAAGCCGACTGGAGAACTCTTGGCAGAGGTGGAGTGGCGTATGCCACACAACCTG
 CAGCAGATCCAGGGGCTCATTACCGGCTGGAGACCCAGCTGAGTGAAGTCCGCTGTGAGATGGAGGCTC
 AGAACCAGGAGTACAACATGTTACTGGACATCAAGACTCGGCTGGAGCAGGAGATCAGCACTTACCGGAA
 CCTGCTTGAGGGCCAGGATGCTAAGATGGCTGCTATTGGTGTGAGGGAAGCATCCCTGAGAGGAGGCAGC
 AGCGGGGTGGCAGCAATTTCCACATCAGCGTGGAGGAATCGGTGACGGAAAAGTGGTTTCTTCCCGTA
 AGAGAGAAAGC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR209707 representing NM_001004022
 Red=Cloning site Green=Tags(s)

MATTFLLQTSSTFGSGSTRGGSRLRVGGGSFGGGSLYGGGGSRSISASSARFVSSGAGVFGGGMSCGFGGG
 FGGGFGGGFGDFGGGDDGLLSGNEKVTMQNLNDRLASYLKVRALAEANLEVKIRDWYQKQSPASPDR
 DYSHYFKTMEIIRDKILAAIDNSRVILEIDNARLAADDFFRLKYENELALRQGV EADINLRRVLDLTL
 ARTDLEMQIEQLNEELAYLKKNHHEEMKEFSSQLAGQVNVEMDAAPGVDLTRMLAEMREQYEAIAEKNNR
 DVEAWFFSKTEELNKEVASNTEMIQTSKTEITDLRRTLQGLEIELQSQLSMKAGLENSLAEVECRYATQL
 QQIQGLITGLETQLSELRCEMEANQEQYNMLLDIKTRLEQEISTYRNLLLEGQDAKMAAIGVREASLRGGS
 SGGGSNFHISVEESVDGKVVSSRKRES

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

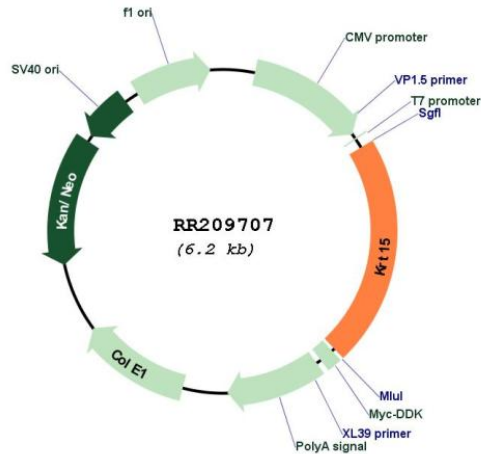
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001004022

ORF Size: 1341 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_001004022.2](#), [NP_001004022.1](#)

RefSeq Size: 1687 bp

RefSeq ORF: 1344 bp

Locus ID: 287700

UniProt ID: [Q6IFV3](#)

Cytogenetics: 10q31

MW: 48.9 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]