

Product datasheet for **MR208508**

Krt79 (NM_146063) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Krt79 (NM_146063) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Krt79
Synonyms:	BC031593
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide
Sequence:**

>MR208508 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCGGTCTCTTTGTCCAGGCAGACTTTCTCCACTAAAGGAGGCTTCAGCTCTAACTCAGCCAGCGGAG
 GTGGTGGGAGTCGGATGCGAACCAGCTACAGCTCAGTGACTATGTCCAGGGGAGCGCGGTGGCGGTGG
 GGTCCGCTCTGGGTCCAGCTCCGGGGGCTTTGGCAGCCGAGCCTCTACAACCTGGGAGGCAAGAATATC
 TCCGTCAGCATGGCTTGTGGGCCTCTCTGGCCGGGCACTAGGAGGCTTTGGCAGTGGGCCTATGTGG
 GCCTAGGGGCTAGCAGGCAGACATTTGGCCAGTCTGTCTCCCGGGGGCATCCAGGAAGTCACTGTCAA
 CCAGAGCCTGCTGACGCCTCTCAATGTGGAGATAGACCCGAGATTGAGCGGGTGCACCCAGGAGCGC
 GAGCAGATCAAGACCCTCAACAACAAGTTGCCTCCTTTATTGATAAGGTACGCTTCTGGAACAACAGA
 ACAAGGTGCTGGAGACGAAGTGGCGCTGCTGCAGGAGCAGAGCCAGAACACGGGGTGCAGGAGCCT
 GGAGCCTTTCTTTGAGAATTACCTGAGCACCTGAGGAGCAGCTGGATACCAACAGAGCGAGCGGGC
 CGCTGGATATGGAGCTGAGGAACGTACAGGATAATCTGGAGGACTTCAAGAACAAGTATGAGGATGAAA
 TCAACAAACGCACTGCCCTGGAGAATGAGTTTGTGCTGCTCAAGAAGGATGTAGATGCCGCATACATGGG
 CAGAATGGATCTGCATGGCAAAGTGGACAGCTTGACACAAGAGATTGACTTCTGCAACAGCTCTTTGAG
 ATGGAGCTGAGCCAAGTGACACCAATGTGTCTGACACCAACGTGATACTGTCCATGGACAACAACCGCA
 ACCTGGACTTGGACAGCATCATCGCTGAAGTCAAAGCCAGTATGAGCTGATCGCCAGAAAGTTCGGGC
 TGAGGCTGAGTCTGGTACCAGACCAATATGAAGAACTGCAGGTGACAGCTGGGAAGCAGGGGACAGC
 CTTGAGACACTAAAAATGAGATCGCAGAACTCACTCGCACCCTCAGAGACTGCAGGGCGAGGTGGATG
 CAGCCAAGAAGCAGTGCCAGCAGCTGCAGACAGCCATCGCAGAAGCAGAGCAGAATGGGGAGATGGCGCT
 CAAGGACGCTAAGAAGAAGCTTGGAGATCTAGACACAGCCCTGCATCAGGCCAAGGAGGACCTGGCCCGG
 ATGCTGCGTGAATACCAGGATCTTGTGAGCGTCAAGCTGGCCCTGGATATGGAGATCGCCACCTACCGCA
 AGCTGCTGGAGAGCGAGGAGAGCAGGATGTCTGGAGATTGTCCAGCGCAATCAGCATCTCGGTGACCGG
 CAACTCTACCTCCGTTTGGCAGGCGGCACGGCTGGCTTCGGGAACGGCCTCTCTCTGGGCGGGCTGGC
 GGGGCCAGCAAGGGCGGCTTTGGTTCTAGTGTGAGCTATGGCGCTGCCAAAGGCGGTGAGTCTCTGGG
 GAACCTCCATCTACGGAAGACCACTACAGTCAAGACCTTAGCCGGAGATAC

ACGCGTACGCGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR208508 protein sequence
 Red=Cloning site Green=Tags(s)

MRSSLRQTFSTKGGFSSNSASGGGSRMRTSYSSVTMSRSGGGGGVRSGLSSGGFGSRSLYNLGGKNI
 SVSMACGASSGRALGGFGSGAYVGLGASRQTFGPVCPGGIQEVTYNQSLTLPNVEIDPEIQRVRTQER
 EQIKTLNNKFASFIDKVRFLFQQNKVLETKWALLQEQSQNTGVARSLPFFENYLSTLRRQLDTKQSERG
 RLDMELRNVQDNLEDFKNKYEDEINKRTALENEFVLLKKDVAAYMGRMDLHGKVDLSLTQEIDFLQQLFE
 MELSQVQTNVSDTNVILSMDNNRNLDLDSIIAEVKAQYELIAQKSRAEASWYQTKYEELQVTAGKHGDS
 LRDTKNEIAELTRTTQRLQGEVDAKKQCQQLQTAIAEAEQNGEMALKDAKKKLGDLDTALHQAEDLAR
 MLREYQDLVSVKLALDMEIATYRKLLSEESRMSGDCPSAISISVTGNSTSVACGGTAGFGNGLSLGGAG
 GASKGGFGSSVSYGAAKGGQVSGGTSILRKTTT VKTSSRRY

TRTRPLE**QKL**ISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_146063

ORF Size: 1593 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_146063.1](#), [NP_666175.1](#)

RefSeq Size: 2113 bp

RefSeq ORF: 1596 bp

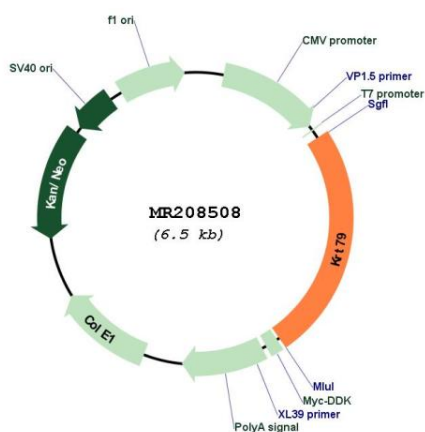
Locus ID: 223917

UniProt ID: [Q8VED5](#)

Cytogenetics: 15 F2

MW: 57.6 kDa

Product images:



Circular map for MR208508