

Product datasheet for **MR209096**

Krt5 (NM_027011) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Krt5 (NM_027011) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Krt5
Synonyms:	3300001P10Rik; AW146334; CK5; K5; Krt2-5; Tfip8
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR209096 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTCTCGCCAGTCCAGTGTGCTCTCCGAAGTGGGGCAGCCGCTCTTTCAGCGCCGCTCTGCCATCA
 CCCCATCTGTCTCTCGTACGAGCTTCAGCTCAGTGTCCCGCAGTGGTGGTGGTGGTGGCAGGATCAG
 CCTTGGGGGTGCTTGTGGAGCCGGGGCTATGGCAGCCGAGCCTGTACAATGTGGGGGGCTCCAAAAGG
 ATATCCTACAGTTCTGGCGGAGGACGCTTCAGGAACCAATTTGGTGTGGTGGCTTTGGCTTTGGAGGAG
 GAGCCGGCAGTGGATTTGGTTTTGGTGGTGGAGCTGGTAGTGGCTTTGGCTTCGGTGGTGGAGCTGGCTT
 TGGTGGTGGCTATGGGGAGCTGGCTTCCCGGTATGCCCCCTGGAGGCATCCAAGAGGTACCCTTAAC
 CAGAACCTCTCACCCCTCTGAACCTGCAATCGACCCACCATCCAGCGGGTCAAGACTGAGGAGAGGG
 AGCAGATCAAGACCTCAATAACAAGTTTGCCTCCTTCATTGACAAGGTGCGGTTCTGGAGCAGCAGAA
 CAAGTCTGGACACCAAGTGGGCCCTGTGCAAGAGCAGGGACCAAGACCATAAAGCAGAACCTGGAT
 CCGTTGTTTGAACAGTACATTAACAACCTCCGTAGACAGCTGGACGGGGTCTGGGGGAGAGGGGCCGCC
 TGGACTCAGAGCTGAGGAACATGCAGGACCTGGTGGAGGACTACAAGAACAAGTATGAGGATGAGATCAA
 CAAGCGTACCACGGCTGAGAATGAGTTTGTGATGTTGAAGAAGGATGTGGATGCTGCCTACATGAACAAG
 GTGGAGCTGGAGGCCAGGTCGATGCCCTGATGGACGAGATCACTTCATGAAGATGTTCTTTGATGCGG
 AGCTGTCCAGATGCAGACACACGTCTCTGACACATCTGTGGTCTTTCCATGGACAACAACCCGACGCT
 GGACCTGGACAGCATCATCGCTGAGGTCAAGGCCAGTACGAGGACATTGCCAACCGCAGCCGAACAGAG
 GCTGAGTCTGGTACCAGACCAAGTATGAGGAGCTGCAACAGACAGCTGGCCGTATGCCGATGACCTTC
 GAAACACCAAGCAGGATCTCTGAGATGAACCGAATGATCCAGAGGCTGAGATCTGAAATTGCAACCT
 CAAGAAGCAGTGTGCCAACCTCCAGAACGCCATTGCTGAAGCTGAGCAACGCGGGGAGCTGGCTCTCAAA
 GATGCCAGAAACAAGCTGACAGAGCTGGAGGAGCCCTGCAGAAGGCCAAGCAGGACATGGCCAGGCTGC
 TGCGGGAGTACCAGGAGCTCATGAACACCAAGCTGGCTCTGGACGTGGAGATCGCCACCTACAGGAAGCT
 GCTGGAGGGCAGGAGTGCAGGCTGAGTGGGAAGGAGTTGGACCAGTCAACATCTCCGTCGTCACAAAC
 AGTGTCTCTTCTGGCTACGGAGGAGGCAGCAGCATTGGTGTGGCAGTGGCTTTGGCGGTGGCCTTGGA
 GCGGCTTTGCTGGTGGCCTTGGCCACGCTTACCAGGGCGGTGGGGTCTTGGTTGGTAGCGGGCT
 AAGTGTGGGGGCTCTGGCTTCACTGACAGCAGCAGTCAAGGAGGCATGAGCTTCGGCAGTGGTGGTGGC
 AGCGGCTCCAGTGTCAAATTTGTCTCCACCACCTCCTCCTCCCGAGGAGCTTCAAGAGC

ACGCGTACGCGGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR209096 protein sequence
 Red=Cloning site Green=Tags(s)

MSRQSSVSFRSGGSRFSAAASAITPSVSRFSFSSVSRSGGGGGRI SLGGACGAGGYGSRSLYNVGGSKR
 ISYSSGGGSFRNQFGAGGF GFGGGAGSGFGFGGGAGSGFGFGGGAGFGGGYGGAGFPVCPGPIQEVTVN
 QNLLTPLNLQIDPTIQRVRTEEREQIKTLNKNFASFIDKVRFLQQNKVLDTKWALLQEQTGTIKQNLNLD
 PLFEQYINLRRQLDGLGERGRLDSELNMQDLVEDYKNKYEDEINKRRTAENEFVMLKKDVAAYMKN
 VELEARVDALMDEINFMKMFDAELSQMTHVSDTSVVL SMDNNRSLDLDSIIAEVKAQYEDIANRSRTE
 AESWYQTKYEELQQTAGRHGDDL RNTKHEISEMNRMIQRLRSEIDNVKKQCANLQNAIAEAEQRGELALK
 DARNKLTELEALQKAKQDMARLLREYQELMNTKLALDVEIATYRKLLEGEECRLSGEGVGPVNI SVVTN
 SVSSGYGGSSIGVGSFGGGLGSGFAGGLGPRFTRGGGLGLGSGLSVGGSGFSAGSSQGGMSFGSGGG
 SGSSVKFVSTSSRRSFKS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

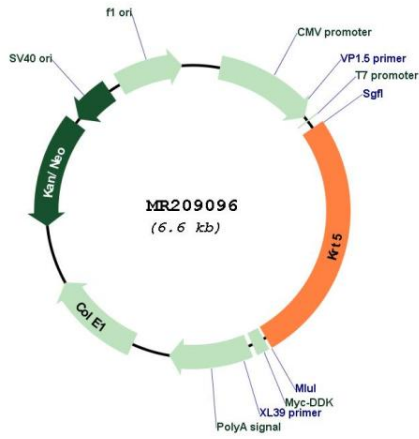
Cloning Scheme:



- ACCN:** NM_027011
- ORF Size:** 1743 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_027011.1](#)
- RefSeq Size:** 2190 bp
- RefSeq ORF:** 1743 bp
- Locus ID:** 110308
- UniProt ID:** [Q922U2](#)
- Cytogenetics:** 15 56.98 cM

MW: 61.8 kDa

Product images:



Circular map for MR209096