

## Product datasheet for **MR220242**

### **Krt85 (NM\_016879) Mouse Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Krt85 (NM_016879) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Krt85
Synonyms:	AA589597; BB007925; Hb5; Krt2-18
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>MR220242 representing NM\_016879  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGTCCTGTCGCTCCTACAGGATCAGCCCAGGATGTGGAGTTACCAGAACTTCAGTCTCTGCTCAGCCC  
 TAGCCCCCAAACCTGGCAACCGCTGCTGCATCAGCGCAGCTCCCTCCGAGGAGTGTCTTGTACCAGGG  
 ATTGACTGGCTTACGAGCCGAAGCCTCTGTAACCCAAGCCCCTGTGGCCCCGATGGCTGTTGGGGC  
 TTCGCTCTGGCTCCTGTGGACGAGCTTCGGATACCGTTCTGGAGGCGTCTGTGGGCCAGCCGCCCT  
 GCATCACCACCGTCTCTGCAATGAGAGCCTGCTCAGCCCTGAACCTGGAGATCGACCCCAATGCTCA  
 GTGTGTGAAGTATGAAGAGAAGGAGCAGATCAAGTGTCTCAACAGCAAGTTCGCGGCCCTTATTGACAAG  
 GTGCGATTCTGGAGCAACAGAACAAGCTGCTGGAGACCAAGTGGCAGTCTACCAGAACCGAAGTGT  
 GTGAGAGCAACCTGGAGCCCCTGTTGGAGGCTACATCGAGGCACTGAGGCGGGAGGCTGAATGTGTGA  
 GCGGACAGCGGGAGGCTGGCTGCTGAGCTCAACCATGTGCAGGAGGCCATGGAGGGCTACAAGAAAAAG  
 TATGAAGAGGAGGTGGCTCTGAGGGCTACAGCAGAGAATGAGTTTGTGGTACTAAAGAAGGATGTGGACT  
 GTGCCTACTTACGTAAATCAGACCTGGAGGCCAACGTGGAGGCCTTGGTGGAGGAGTCAAGCTTCTGAA  
 GCGTCTTTATGAAGAGGAGGTCTGTGTTCTGCAAGCCACATCTCAGACACCTCTGTATCGTCAAGATG  
 GACAACAGCCGAGACCTGAACATGGACTGCGTCGTGGCTGAGTCAAGGCTCAGTATGATGACGTTGCCA  
 GCCGACGCGTGTGAGGCTGAGTCTGGTACCGCACCAAGTGTGAGGAGATGAAGGCCACCGTATCCG  
 GCATGGGAGACCCTGCGCCGACGAAGGAGGAGATCAACGAGCTGAACAGAATGATACAGAGGCTGACC  
 GCCGAGATCGAGAATGCCAAGTCCAGCGTGCCAAGCTGGAAGCTGCTGTGGCTGAGGACAGCAGCAGG  
 GAGAGCCCGCCCTCGCTGATGCCCGTGCAAGCTGGCTGAGCTGGAGGGTGCCTGCAGAAGGCCAAGCA  
 GGACATGGCCTGCCTGCTCAAGGAGTACCAGGAGTAATGAACTCCAAGCTGGCACTGGACATCGAGATC  
 GCCACCTACAGGCGCTGCTGGAGGCGAGGAGCAGAGGCTCTGCGAGGGTGTGGCTCTGTGAATGTCT  
 GTGTCAGCAGCTCCCGTGGAGGAGTACATGTGGGGCCCTCACCTATGGCACAACCCAGGGCGCCAGAT  
 TGTCTCTGGACCCTCTGTACTGGGGCAGCATCACAGTATGGCCCTGACTCTGCTCTCCTTGCCAG  
 CCCCGCCTCCAGCTTACCTGTGGGAGCAGCCGCTCAGTGGCTTCGCT

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>MR220242 representing NM\_016879  
 Red=Cloning site Green=Tags(s)

MSCRSYRISPCCGVTRNFSSCSAVAPKTNRCCI SAAPFRGVSCYRGLTGFSSRSLCNPSPCGPRMAVGG  
 FRSGSCGRSFGYRSGGVCPSPPCITTVSVNESLLTPLNLEIDPNAQCVKYEKEQIKLNSKFAAFIDK  
 VRFLEQNKLLETQWQFYQNRKCCENLEPLFGGYIEALRREAECVEADSGRLAAELNHVQEAAMEGYKKK  
 YEEVALRATAENEFVVLKDVDCAYLRKSDLEANVEALVEESSFLKRLYEEVQVLAHI SDTSVIVKM  
 DNSRDLNMDCVVAEIKAQYDDVASRSRAEASWYRTKCEEMKATVIRHGETLRRTKEEINELNRMIQRLT  
 AEIENAKQRAKLEAAVAEAEQQGEAALADARCKLAELEGALQKAKQDMACLLKEYQEVMSKLAALDIEI  
 ATYRRLLEGEQRLCEGVGSVNVCSRSSRGGVTCGGLTYGTPGRQIVSGPSVTGGSI TVMAPDSCSPCQ  
 PRASSFTCGSSRSVRFA

**TRTRPLEQKLI**SEEDLAANDILDYKDDDDKV

**Chromatograms:**

[https://cdn.origene.com/chromatograms/mm9076\\_g03.zip](https://cdn.origene.com/chromatograms/mm9076_g03.zip)

**Restriction Sites:**

Sgfl-Mlul

**Cloning Scheme:**


**ACCN:** NM\_016879

**ORF Size:** 1521 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\\_016879.2](#), [NP\\_058575.2](#)

**RefSeq Size:** 2594 bp

**RefSeq ORF:** 1524 bp

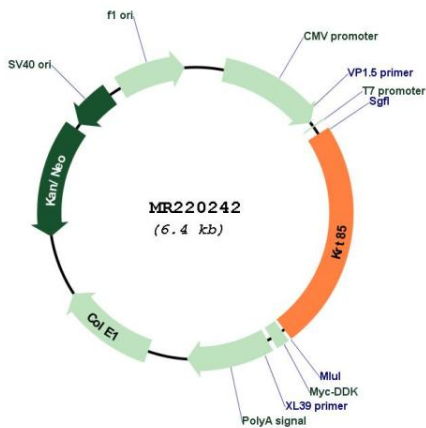
**Locus ID:** 53622

**UniProt ID:** [Q9Z2T6](#)

**Cytogenetics:** 15

MW: 55.8 kDa

Product images:



Circular map for MR220242