

## Product datasheet for **MR218605**

### **Krt81 (NM\_001166157) Mouse Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Krt81 (NM_001166157) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Krt81
Synonyms:	AA589625; Krt2-19
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

**ORF Nucleotide Sequence:**

>MR218605 representing NM\_001166157  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGACCTGTGGATCAGGATTCTGTGGCCGCGCCTTCAGCTGCGCCTCAGCCTGCGGACCCAGGCCCGGCC  
 GCTGCTGCATCTCTGCAGCTCCCTACAGGGGCATCTCCTGCTACCGCGGACTCTCAGGGGCTTCGGCAG  
 CCAGAGTGTCTGTGGGGCCTTCCGCTCTGGCTCCTGTGGACGCAGCTTCGGGTACCGCTCTGGAGGCATC  
 TGCGGGCCAGCCACCCTGCATCACCACCGTTTCTGTCAATGAGAGCCTGCTCACGCCCTGAACCTGG  
 AGATCGACCCCAATGCTCAGTGTGTGAAGCATGAGGAGAAGGAGCAGATCAAGTGTCTAACAGCAAGTT  
 CGCAGCCTTCATCGACAAGGTGCGCTTCTGGAGCAGCAGAACAAGTGTGGAGACCAAGTGGCAGTTC  
 TACCAGAACCGCAAGTGTGTGAGAGCAACATGGAGCCTCTGTTTCGAGGGCTACATCGAGGCGCTGAGGC  
 GGGAAAGCTGAGTGTGTGGAGGCCGACAGCGGGAGGCTGGCTGCTGAGCTCAACCATGCACAGGAGTCCAT  
 GGAGGGCTACAAGAAGAGATACGAGGAGGAAGTTTCTCTGAGAGCCACGCCGAGAAATGAGTTTGTGGCT  
 CTGAAGAAGGATGTGGACTGTGCCTACCTGCGCAAGTCAGATCTGGAGGCCAACGCAGAGGCACTGACCC  
 AGGAGACCGACTTCTGAGGAGAATGTATGACGAGGAGACCCGCATCCTCCATCCACATCTCAGACAC  
 CTCCATCGTCGTCAAGATGGACAACAGCCGGGACCTGAACATGGACTGTGTCTGGTGTGAGATCAAGGCT  
 CAGTATGATGACATTGCCAGCCGAGCCGCTGCTGAGGCTGAGTCTGGTACCGCACCAAGTGTGAGGAGA  
 TAAAGGCCACAGTGATCCGGCATGGAGAGACTCTGCGCCGACCAGAGAGGAGATCAATGAGCTGAACAG  
 AATGATCCAGAGGCTGACTGTGAGATCGAATGCCAAGTGCCAGAACCAAGCTGGAGGCTGCTGTG  
 ACCCAGTCTGAGCAGCAGGGAGAGGCTGCCCTTGTCTGATGCCCGCTGCAAGCTGGCTGAGCTGGAGGGTG  
 CCCTGCAGAAGGCCAAGCAGGACATGGCCTGCCTCAAGGAGTACCAGGAGGTGATGAATCCAAAGCT  
 GGGGCTGGACGTTGAGATCACCACCTACAGGCGCCTGCTGGAGGGCAGGAACAGAGACTGTGTGAAGGT  
 GTAGGAGCTGTGAATGTCTGTGTGAGCAGCTCCGAGGAGGAGTGTATGTGGGGACCTGTGTGTGTGAG  
 GTTCCAGGCCAGTGATCGGCAGTGCCTGCACGCGCCCTGCAGCGGGAATTGGCGGTGAACACAGGCT  
 GTGCGCACCTGTGGTTCAGCTGTGCTCTGTGGCCGTAATGT

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>MR218605 representing NM\_001166157  
 Red=Cloning site Green=Tags(s)

MTCGSGFCGRAFCASACGPRPGRCCISAAPYRGISCYRGLSGGFGSQSVCGAFRSGSCGRSFGYRSGGI  
 CGPSPPCITTVSVNESLLTPLNLEIDPNAQCVKHEEKEQIKCLNSKFAAFIDKVRFLQQNKLETKWQF  
 YQNRKCCESNMEPLFEGYIEALRREAECVEADSGRLAAELNHAQESMEGYKKRYEEVSLRATAENEFVA  
 LKKDVDCAYLRKSDLEANAALTQETDFLRRMYDEETRIILHSHISDTSIVVKMDNSRDLMDCVVAEIK  
 QYDDIASRSRAEAEASWYRTKCEEIKATVIRHGETLRRTREEINELNRMIQRLTAEIENAKCQNTKLEAAV  
 TQSEQQGEAALADARCKLAELEGALQKAKQDMACLLKEYQEVMSKLGLDVEITTYRRLLEGEEQRLCEG  
 VGANVVCVSSSRGGVVCGLCVSGSRPVIQSACAPCSGNLAVNTGLCAPCGSAVSCGRKC

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:**

[https://cdn.origene.com/chromatograms/mm9077\\_c02.zip](https://cdn.origene.com/chromatograms/mm9077_c02.zip)

**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**


**ACCN:** NM\_001166157

**ORF Size:** 1443 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\\_001166157.1](#), [NP\\_001159629.1](#)

**RefSeq Size:** 1857 bp

**RefSeq ORF:** 1446 bp

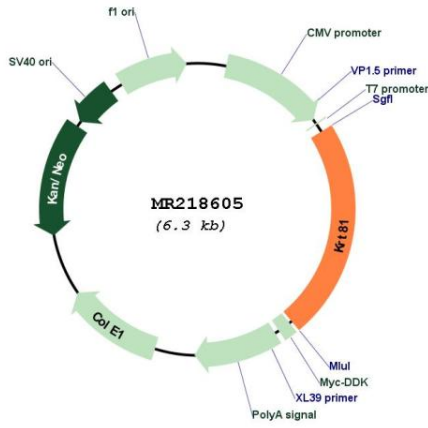
**Locus ID:** 64818

**UniProt ID:** [Q9ERE2](#)

**Cytogenetics:** 15 56.9 cM

MW: 52.9 kDa

Product images:



Circular map for MR218605