

## Product datasheet for **MR218959**

### **Krt39 (NM\_213730) Mouse Tagged ORF Clone**

#### **Product data:**

|                                  |                        |
|----------------------------------|------------------------|
| <b>Product Type:</b>             | Expression Plasmids    |
| <b>Tag:</b>                      | Myc-DDK                |
| <b>Symbol:</b>                   | Krt39                  |
| <b>Synonyms:</b>                 | 4732494G06Rik; Ka35    |
| <b>Mammalian Cell Selection:</b> | Neomycin               |
| <b>Vector:</b>                   | pCMV6-Entry (PS100001) |
| <b>E. coli Selection:</b>        | Kanamycin (25 ug/mL)   |



**ORF Nucleotide Sequence:** >MR218959 representing NM\_213730  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAACTACGACTCACTATAGGGCGCCGGGAATTCGTGCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGC**

ATGGATACCAAGGGCTCTACAGTGACGATTCTTCTTCAACCCACCCCAAACTGCTCTGGGAATACAA  
 ATTTTAGGACGAACCTCTTCTTAACAAGAGCTGTTGTGATGATGGCCAGTCAACTGGCTGTGCTCTACA  
 AACTCCCCAGGGCCAGGGCTGTGGATCCAGCCCTTGCCTTTATCGATGCCCTCATTACTTGATAAGAACC  
 TACAGCTTCCATCCTTGTCTGGATGATGGCAGCAGGTGCACTGAAGGCATTAACTCATGAGAAGGAGA  
 CCATGCAGATTTTGAACGAACGCCTTGCAAATATCTGAAAAGGTGCGGATGCTGGAAGGAGAGAACGC  
 GGACCTAGAGGATAAAATCCAGGAGGCATGCAGCAAGGCGCTCCCATCCTGTGTCTGACTACCTGTCC  
 TACTACACCACCATCGAGGAGCTGCAGCAGAAGATCTGTGTACCAAGGCTGAAAATCCAGACTGGTCT  
 CACAAATTGACAACACCAAACTGGCTGCAGATGACTTGAGAGCCAATGAAGCTGAGTTGTCCCTGCG  
 CCAGCTTGTGGAAGCCGATGCCAATGGCTGAAGCAGATCCTGGATGCACTCACTCTGAGCAAGGCTGAC  
 CTGGAGGCCCGAGTCCAGTCTCTGACGGAGGAACCTTCTGTGCTCAAAACGAACCATGAGGAAGAAGTTA  
 ATTCCTTACAGTGCCAATAGGGGACAGAATCAACATTGAAGTAACAGCTGCCCTTCTGTTGACCTAAA  
 TCAATCCTACAAGAAATGAGATGCCGGTACGAGTCCATCATGGAGACAAACCGTAAAGACGTAGAAGAA  
 TGGTTCAATACACAGATGGAGGAATGAATCAACAAGTAGTGAGCAGCTCTCAGCAGCAGCAATGCTGCC  
 AGAAGGACATCATAGAGCTGAGACGGACCATAAGTGCCCTCGAGATTGAGCTGCAGGCCACGACAGAAT  
 GAGAGAGTCCAGGAATGCATCCTGACGGAGACGGAGGCCGCTACACAGCCCTGCTGGCCCAATCCAG  
 AGTCTGATCCACAACCTGGAGGCTCAGGTGGCAGATATCCGAGTGCCCTGCAAAGACAGAGCCAGGAAT  
 ATGAAGTTCTGTAGACATCAAGTCCCGCTGGAGTGTGAGATAGCCACATACCGAAGCCTTCTTGAGAG  
 CTTAGATGGCAGGCTTCCCTGTAACCCATGTGCCACTAAGTGGGAGCCATCCTGCCAGGCCAGAGCTATG  
 GAGTGTTTTACCCAGTTTATACATCTTCACTCCCTGGGATTACAAAGCCCTGCCGTGCCTCTGGAC  
 CCCCATCCCGGATACTTGTAAAGATATGCACCATCACCAAGGAGATCAAGGATGGGAAGGTCAATTTCTT  
 TTACGAGCATGTGCAGCCTTGCTACATCACCAGAGCTACCAAGTC

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >MR218959 representing NM\_213730  
 Red=Cloning site Green=Tags(s)

MDTKGSTVTISSSTPPQNCSGNTNFRNTSSSNKSCCHDGQSTGCALQTPQGQCGSSPCLYRCPHYLIRT  
 YSFHPCLDDGSRCTEGINTHEKETMQILNERLANYLEKVRMLEGENADLEDKIQEACSKALPILCPDYL  
 YYTTIEELQKILCTKAENSRLVVSQIDNTKLAADDLRANYEAEELSLRQLVEADANGLKQILDALTL  
 LEARVQSLTEELLCLKTNHEEEVNSLQCQLGDRINIEVTAAPSVDLNQILQEMRCRYESIMETNRKDVEE  
 WFNTQMEELNQVVSSSQQQCCQKDIELRRTISALEIELQAQHRMRESQECILTETEARYTALLAQIQ  
 SLIHNLEAQVADIRSALQRQSQEYEVLLDIKSRLCEIATYRSLLESLDGRLPCNPCKATKWEPSQARAM  
 ECFTPVYTSSSLPGIHKPCRASGPPSRILVKICTITKEIKDGKVISSYEHVQPCYITRATKV

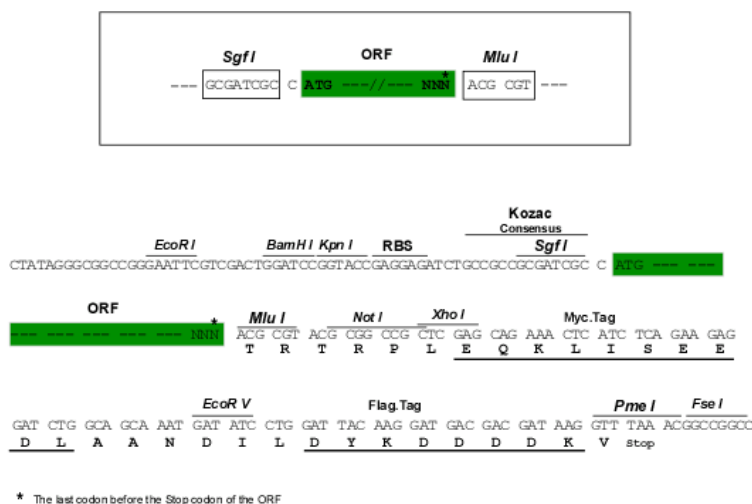
**TR**TRPLE**QKL**ISEED**LA**AND**ILDYKDDDDKV**

**Chromatograms:** [https://cdn.origene.com/chromatograms/mm9065\\_b01.zip](https://cdn.origene.com/chromatograms/mm9065_b01.zip)

**Restriction Sites:** SgfI-MluI

### Cloning Scheme:

Cloning sites used for ORF Shuttling:



ACCN: NM\_213730

**ORF Size:** 1446 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:**

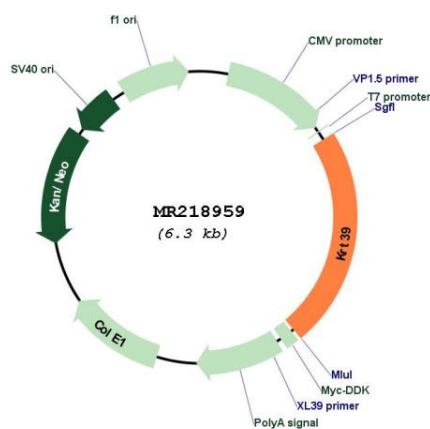
1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store 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 0.22µm filter is required.

**RefSeq:** NM\_213730.3

**RefSeq Size:** 1449 bp

|               |                                                                              |
|---------------|------------------------------------------------------------------------------|
| RefSeq ORF:   | 1449 bp                                                                      |
| Locus ID:     | 237934                                                                       |
| UniProt ID:   | <a href="#">Q6IFX4</a>                                                       |
| Cytogenetics: | 11 D                                                                         |
| MW:           | 54.3 kDa                                                                     |
| Gene Summary: | May play a role in late hair differentiation.[UniProtKB/Swiss-Prot Function] |

**Product images:**


Circular map for MR218959