

## Product datasheet for **MR219829**

### **Krt76 (NM\_001033177) Mouse Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Krt76 (NM_001033177) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Krt76
Synonyms:	2310001L23Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

**ORF Nucleotide Sequence:**

>MR219829 representing NM\_001033177  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGAGCAGACAAGCCTGCAAGAAATCCTTCAGTTGTGGGAGCCAGGGCTTCTCTGGCCACTCAGCTGTGG  
 TATCTGGCAGCAGCAGGAGCAGCTGTGTGGCTCGCTCTGGGGCAGCCAGTGGAGGGGCTTGTGGTTCCG  
 GAGCGGAGCAGGTAGCCTTGGCAGTCACAGCCTCTACAGCCTGGGTGGCAGTAAGAGTATTTCTATCAGC  
 GTGGCGGCTGGTGGCTCCCGGGCTGGTGGCTTCAGTGGAGGGCGTAGCAGCTGTGGCAGTGGCTTTGGAA  
 GTGGCTATGGAGGTAGCCTTGGTGGTAGTAGAGGAATGGGAGCTGGCTTTGGGGGCCCTTCTGGATTTGG  
 GGGAGCTGGTGGCTTTGGTAGGCCTGGTAGCTTTGGCCCTGGTAGCTGCCCTGGTGAATCCAGGAAGTG  
 ACCATCAACCAGAGCCTCTGCAGCCCCTCAATGTAGAGATTGACCCCAAGTGGGCAAGTGAAGGCC  
 AGGAGCGTGAACAGATCAAGACCCTCAACAACAAGTTTGCTTCCTTCATCGACAAGGTGCGCTTCTGGA  
 GCAGCAGAACAAGTCTGGAGACCAAGTGGGAGCTGCTGCAGCAGCAGACCATACGCTCTGGCTCAGGA  
 CCCAGAACCTGGAACCTTTCTTTGAATCCTACATCAGCTGCCTGCGCAAGCAGTTAGATCACTTCTGG  
 GGGCAAGGGGAGCCTGGAGGGAGAGCTGAAGAGCATGCAAGACCTGGTAGAAGACTTCAAAAAGAAGTA  
 TGAAGAGGAGATCAACAGGCGTACTGCTGCAGAGAATGAATTTGTAGGGCTGAAGAAGGATGTAGATGGA  
 GCTTTTCATGAACAAAGTGGAGCTGCAGGCTAAAGTGGACAGTCTGACAGATGAAATCAACTTTCTGAGGA  
 CTCTCTACGACATGGAGCTGTCCAGATACAGAGTCATGTGACAGTACACATCTGTGGTCCGTCCATGGA  
 CAACAACCGCTGCCTGGACCTGGACAGCATCATCGCTGAGGTCAAGGCCAGTATGAGGACATTGCCAG  
 AAGAGTAAGGCTGAGGCTGAGGCCCTGTACCAGACCAAGCTTGGGAGTTACAGACCACAGCTGGCAGGC  
 ATGGTGATGACCTGAGGAGCACCAAGAGCGAGATCATGGATCTCAACAGGATGATCCAGACTGCGGAGC  
 GGAGATTGAGAATGTCAAGAAGCAGAACAACATGCAGACATCCATTGCAGAGGCTGAACAGCCTGGT  
 GAGCGGGCCCTCAAGGATGCAGATACCAAATTCGAAGACTTGCAGGTTGCTCTGCAGAAGGCCAAGGAGG  
 ACATGGCCCGGCTGCTGAAGGAGTACCAGGAGCTCATGAATGTCAAGCTGGCCCTGGATGTGGAGATCGC  
 CACCTACAGGAAGCTACTGGAGGGCAGGAGTGCAGGTTGTCTGGAGAGTTTCAGAATGCTGTGAGCATT  
 TCAGTGGTCAGCAATGTTACCAGCACAAGCAGCAGCGGAAGCTTCAGAGGGACCGGTGGCAGTAACTACG  
 GAGGGGATAGCAGTGGCAGAAGCGGCGGCAGCAGCAGCAGCAGCAGAGGCAGCAGCAGCAGAGGCAG  
 CAGTGGGAGCAGACTTGGCAGTGGAGGCAGCATCTCCGTGAGCCAGCAGAGAATGGGCTTAACTCTGGT  
 GGCAGCCAGACCTCAGTAGGCAGCAGCTACAAGTCTGGCAGAGGAGGCAGCAGCAGTGTTCAGTTCTCTC  
 AGACCACAGTTCAGCCAGCAACGCTCCAAG

**ACGCGT**ACGCGGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>MR219829 representing NM\_001033177  
 Red=Cloning site Green=Tags(s)

MSRQACKKSFSCGSQGFSGHSAVVSRRSSCVARSQAASGGACGFRSGAGSLGSHSLYSLGGSKISIS  
 VAAGGSRAGGFSGRRSSCGSGFSGYGGSLGSRGMGAGFGGPGSGFGAGGFGRPGSFGPGSCPGGIQEV  
 TINQSLQLPLNVEIDPQIGQVKAQEREQIKTLNKFASFIDKVRFLQQNKVLETKWELLQQTIRSGS  
 PQNLEPFESYISCLRKQLDSL LGAKGSLEGELKSMQDLVEDFKKKYEEEINRRTAAENEFVGLKKDVDG  
 AFMKNVELQAKVDSL TDEINFLRTL YDMELSQIQSHVSDTSVVL SMDNNRCLDLDSIIAEVKAQYEDIAQ  
 KSKAEAEALYQTKLGELQTTAGRHGDDL RSTKSEIMDLNRMIQRLRAE IENVKKQNTNMQTSIAEAEQRG  
 ERALKDADTKFQDLQVALQKAKEDMARLLKEYQELMNVKLALDVEIATYRKLLEGECECLSGEFQNAVSI  
 SVVSNVTSTSSGFRGTGGSNYGGDSSGRSGSSSSSRGSSSRGSSGSRLLGSGGSI SVSQRMGFNSG  
 GSQTSVGSYKSGRGGSSVQFSQTTSSSQRSK

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:**

[https://cdn.origene.com/chromatograms/mm9091\\_b03.zip](https://cdn.origene.com/chromatograms/mm9091_b03.zip)

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_001033177

**ORF Size:** 1782 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\\_001033177.2](#), [NP\\_001028349.1](#)

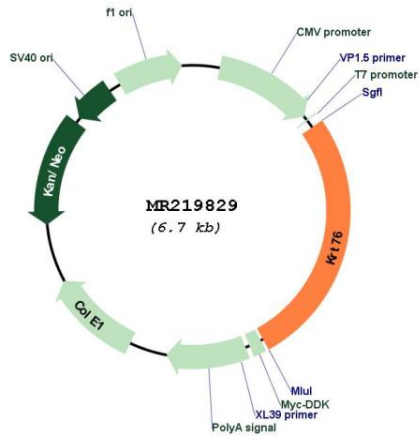
**RefSeq Size:** 2312 bp

**RefSeq ORF:** 1785 bp

**Locus ID:** 77055

UniProt ID: Q3UV17  
 Cytogenetics: 15 F2  
 MW: 62.8 kDa  
 Gene Summary: Probably contributes to terminal cornification.[UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for MR219829