

## Product datasheet for **MR222807**

### **Krt12 (NM\_010661) Mouse Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Krt12 (NM_010661) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Krt12
Synonyms:	A1835216; K12; Krt-12; Krt1-12
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>MR222807 representing NM\_010661  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGTCGCTTTTCAGTCTGCACCTCTGCGCTGTCCAGGAGGTCTTCCTCACAGAATGGGGCGGCAGGCAGAC  
 CTTGGGGTGCATCTGCTTCTAGTGTGCCGGCGCTATGGGGATCGCCCTCTGGCTTTGGAGTTGGCTG  
 TGGAGGCCTCTTTTCTGCTGCTCCATGTTTGGTTCTAGTTCTGGCTTTAGCGGTGGCTCTGCAGGTTGC  
 TTGCCGGGCTTGGCTCTGCCTATGGGGACCTCTGAGAGGTGGCGGGGAGGAATGGGGATAGGGATGG  
 GGATAGCTGGAAGCTCGGGCGGTGGCTCTCTGTGTATCTTTCTGGCAATGATGGAGGTCTTCTTTCTGG  
 TTCTGAGAAGAAACCATGCAAAATCTAAATGACAGACTAGCTTCTACCTGGTAAGGTTCTGCTCTCTA  
 GAGGAGGCTAATGCAGAACTGGAAAACAAAATTCGAGAGTGGTATGAAACACGGAGAACCAGAGACGCTG  
 GGTCTCAGAGTGATTACAGTAAATACTACCCACTGATTGAAGACTGAAGAATAAGATCGTTTCTGCCAG  
 AGTCAGCAACGCCAGCTCCTCTGCAGATTGACAACGCAAGGCTGGCTGCCGAGGACTTCAGGATGAAG  
 TATGAGAAATGAGCTGGCCCTGCGCCAGACCGTGGAGGCCGACATCAACGGGCTGCGAAGGGTGTGGACG  
 AGCTGACCCTGACTAGAGCCGACCTGGAAGCCAGCTTGAGACCCCTACTGAGGAGCTGGCTTACATGAA  
 GAAGAACCACGAAGGAACTCCAAAGTTTCCAGGCAGGTGGTCCAGGTGAGGTCAATGTAGAAATGGAC  
 GCGGCCCTGGAGTGGATCTCACCAGGTCTCAATGAAATGAGAGCCAGTATGAAGCCATGGCTGAGC  
 AAAATCGGAAAGATGCAGAGGCTGGTTTCTTGAAAAGAGCAGAGAGCTCCGAAAAGAGATCAGCAGCAA  
 CACGGAGCAGTTCAGTCCAGCAAGAGCGAGGTACCCGACCTGAAGCGCATGGTGCAGAACCTAGAGATT  
 GAACTCCAGTCCCAGCTGCCATGAAGTCGTCCCTGGAAGGCTCGCTGGTGAACCCGAGGGTGGTACT  
 GCTGCCAACTGTCTCAGGTGCAGCAGCTGATCGGCAGCCTGGAGGAGCACTCCAACAGGTGCGGGCTGA  
 CGCGGAGCGCCAGAATGCGGACCACCGCGGCTGCTGGGCGTCAAGGCTCGCTGGAGATGGAGATTGAG  
 ACCTACCGCCGGCTGCTGGAGGGGACAGCCAAGGCGACGGTTTTGACGAGAGCTCATCCCTTTCTGTCT  
 CCAAACCGCAGACACCATCAGTCGATTCTCTAAAGACCCAAATAAACTCGAAAATCAAGACAGTCGT  
 GCAGGAGATAGTGAATGGCGAAGTGGTCTCATCCAGGTTGAGAACTTGAAGAAGAGATG

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>MR222807 representing NM\_010661  
 Red=Cloning site Green=Tags(s)

MSLSVCTSALSRSSSQNGAAGRPWGASASSVAGGYGGSASGFVGCGLFSAASMFSSSGFSGGSAGC  
 LPGLGSAYGGPLRGGAGGMGIGMGIAGSSGGSLCIFSGNDGGLLSGSEKETMQNLNDRLASYLKVRSL  
 EEANAELNKKIREWYETRRTRDAGSQSDYSKYYPLEIDLKMKIVSARVSNAQLLLQIDNARLAAEDFRMK  
 YENELALRQTVEADINGLRRVLDLTLTRADLEAQLLETLAYMKNHEEELQSFQAGGPGEVNVEMD  
 AAPGVDLTKVLNEMRAQYEAMAEQNRKDAEAWFLEKSRELRISSNTEQLQSSKSEVTDLKRVMQNLEI  
 ELQSQLAMKSSLEGSLAETEGGYCCQLSQVQQLIGSLEEQLQVVRADAERQADHQRLLGVKARLEMEIE  
 TYRRLLEGDSQGDGFDESSSLVSKPQTPSVDSKDPNKTRKIKTVVQEVNVEVSSVQVQEEEM

**TR**TRPLEQ**KL**ISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shutting:



\* The last codon before the Stop codon of the ORF

**ACCN:** NM\_010661

**ORF Size:** 1461 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\\_010661.2](#), [NP\\_034791.2](#)
**RefSeq Size:** 1854 bp

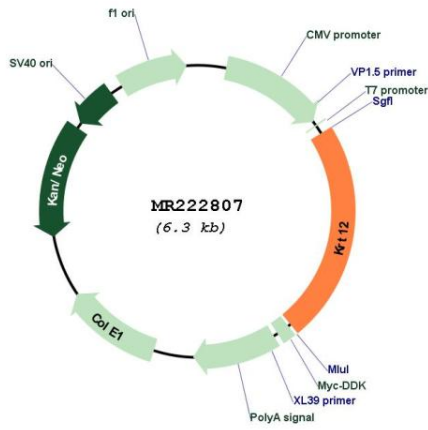
**RefSeq ORF:** 1464 bp

**Locus ID:** 268482

**Cytogenetics:** 11 62.92 cM

MW: 53 kDa

Product images:



Circular map for MR222807