

Product datasheet for **MG218751**

Krt87 (NM_001003668) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Krt87 (NM_001003668) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Krt87
Synonyms:	K83; K87; Krt2-25; Krt83
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG218751 representing NM_001003668
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGC**C

ATGCTCTTGCTTCTCTCCCGCCTCGGAGCCTCCTGTGGGTCCGCGCCTTCAGCTGCGCCTCGGCATGTG
 GTCCCCGCGCCGCGCGCTGCTGCATCTCTGCAGCTCCCTACAGGGGCATCTCTGCTACCGCGGACTCTC
 AGGGGGCTTCGGCAGCCGACGCTCTGCGGGCCCTTCCGCTCTGGCTCCTGTGGACGCAGCTTCGGGTAC
 CGATCTGGAGGCGTCTGCGGGCCAGCCCCCTGCATCACCACCGTCTCTGTCAATGAGAGCCTGCTCA
 CACCCCTGAACCTGGAGATCGACCCAATGCTCAGTGTGTGAAGCATGAGGAGAAGGAGCAGATCAAGTG
 TCTCAACAGCAAGTTCGAGCCTTCATCGACAAGGTGCGCTTCTGGAGCAGCAGAACAAGCTGCTGGAG
 ACCAAGTGGCAGTCTACAGAACCGCAAGTGTGTGAGAGCAACATGGAGCCTCTGTTGAGGGCTACA
 TCGAGGCGCTGAGGCGGGAGGCTGAGTGTGTGGAGGCCGACAGCGGGAGGCTGGCAGCCGAGCTCAACCA
 TGTGCAGGAGTCCATGGAGGGCTACAAGAAGAGGTATGAAGAGGAAGTGGCACTACGAGCCACTTCTGAG
 AATGAATTTGTGGCCCTGAAGAAGGATGTGGACTGTGCCTACCTCCGGAAGTCAGACCTGGAGGCCAACG
 CAGAAGCGCTGACACAGGAGACCGACTTCTGAGGCAACTGTATGAAGAGGAAACACGTCTCCTCCATTC
 CCACATCTCAGACACCTCCGTCGTCGTCAGATGGACAACAGCCGGGACCTGAACATGGACTGTGTCGTG
 GCTGAGATCAAGGCTCAGTATGATGACATTGCCAGCCGTAGCCGTGCTGAGGCTGAGTCTGGTACCGCA
 CCAAGTGTGAGGAGATGAAGGCCACAGTATCCGGCATGGAGAGACCTGCGCCGCCAGAGAGGAGAT
 CAATGAGCTGAACAGAATGATCCAGAGGCTGACTGCTGAGATCGAGAATGCCAAGTGCAGAACACCAAG
 CTGGAGGCTGCTGTGACCCAATCTGAGCAACAGGAGAGGCTGCCCTCACTGATGCCCGCTGCAAGCTGG
 CTGAGCTGGAGGGTGCCTGCAGAAGGTAAGCAGGATATGGCCTGCCTGCTCAAGGAATACCAGGAGGT
 GATGAACCTCCAAGTTGGGGCTGGATGTCGAGATCATCACCTACAGGCGCCTGCTGGAGGGCGAGGAGCAG
 AGGCTCTGCGAGGGTGTGGGCTCTGTGAATGTCTGTGTCAGCAGCTCCCGTGGAGGAGTCACATGTGGGG
 GCCTCACCTATGGCACAACCCAGGGCGCCAGATTGCCTCTGGACCCTCTGTCACTGGGGGCAGCATCAC
 AGTGATGGCCCTGACTCCTGCTCTCCTTGCCAGCCCGCGCCTCCAGCTTCACCTGTGGGAGCAGCCGC
 TCAGTGCCTTCGCT

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>MG218751 representing NM_001003668
 Red=Cloning site Green=Tags(s)

MSCFSSRLGASCGVRAFSCASACGPRPGRCCISAAPYRGISCYRGLSGGFSGRSVCGPFRSGSCGRSFGY
 RSGGVCGPSPPCITTVSVNESLLTPLNLEIDPNAQCVKHEEKEQIKCLNSKFAAFIDKVRFLFQQNKLLE
 TKWQFYQNRKCCESNMEPLFEGYIEALRREAECVEADSGRLAAELNHVQESMEGYKKRYEEVEALRATSE
 NEFVALKKDVCAYLRKSDLEANAELTQETDFLRQLYEEETRLHSHISDTSVVVKMDNSRDLMDCVV
 AEIKAQYDDIASRSRAEASWYRTKCEEMKATVIRHGETLRRTREEINELNRMQRLTAEIENAKQNTK
 LEAAVTQSEQQGEAALTDARCKLAELEGALQKAKQDMACLLKEYQEVMSKLGLDVEIITYRRLLEGEEQ
 RLCEGVGSVNVCSRSSRGVTCGGLTYGTPGRQIASGPSVTGGSITVMAPDSCSPCQPRASSFTCGSSR
 SVRFA

TRTRPLE – GFP Tag – V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_001003668

ORF Size: 1485 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 0.22um filter is required.

RefSeq: [NM_001003668.2](#), [NP_001003668.2](#)

RefSeq Size: 1826 bp

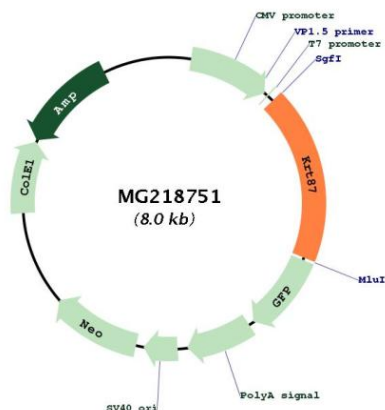
RefSeq ORF: 1488 bp

Locus ID: 406219

UniProt ID: Q6IMF0

Cytogenetics: 15 F2

Product images:



Circular map for MG218751