

Product datasheet for **MG219872**

Krt36 (NM_001174099) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Krt36 (NM_001174099) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Krt36
Synonyms:	HRa-1; K36; Krt1-5; Krt1-22; MHRa-1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG219872 representing NM_001174099
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGGCCACCCAGATCTGCACCCGACCTTCTCTGCTGGGTCTGCCAAGGGCCTCTGTGGCACTTCAGGGA
 GCTTCTCTCGGATATCTCCATCCATTCCATGGGCTCCTGCAGGGCCCCAGTTTGGTTGGCACTGTGGG
 GTCGCTGTCTCTCCTCAGGACAGGCTTCTCTGGCCCTGGGAGCTGCTTGCAGGCTCCTACCTGTCTCT
 GGGTGCCACTCTCTGGCTTTGCTGGGAGCGGGGATGGTTCTGCGAGGGCGCCTTCAATGGCAACGAGA
 AGGCGACCATGCAGATCTTGAATGACCGACTGGCCAACTACCTGGAGAAGGTGCGGCAGCTGGAGCAGGA
 GAACACACAGCTGGAGTGCCGCATCCGAGAGTGGTACGAGTGTGAGATCCCATACATCTGCCCGACTAC
 CAGTCTACTTCAAGACTGCTGAGGAGTGCAGCAGAAGATCCTGCTGACCAAGTCTGAGAATGCCAGGC
 TGATATTACAAATTGACAATGCCAAGCTGGCTGCTGATGACTCCGGACCAAGTATGAGACGGAGTTGTC
 CCTGCGACAGCTGGTAGAGGCTGACATCAATGGTCTACGCCGGATCTTGGATGAGCTGACCTTGTGTAAG
 GCTGACCTGGAGGCACAGGTTGAGTCCCTGAAGGAGGAGCTGCTGTGCTCAAGAGGAACCATGAAGAGG
 AAGTCAATGCCCTCCGTTCCAGCTTGGGACCGACTGAATGTGGAGGTGGATGTGCTCCCCAGTGGA
 TCTCAACAAGATACTGGATGACATGCGATGCCAGTATGAGACGCTGGTGGAGAATAACCGTAGAGATGTG
 GAGGCTTGGTTCAACTCAGACCGAGGAGCTGAACCAGCAGGTGGTATCCAGCTCAGAGCAGCTGCAGT
 GTTGCCAGACAGAGATCATTGAGCTGAGACGCACAGTCAACTCCCTGGAGATCGAGCTGCAGGCTCAACA
 GAGCATGAGGAATTCTCTGGAATCTACCCTGGCTGAGACAGAGGCCCGCTACAGCTCCAGCTGGCCAG
 ATGAGTATCAGGTGTTACTGGATGTCAAGGCCCGGCTGGAGTCAGAGATTGCCACCTACCTGCCCTGCT
 GGATGGGAGGACTGCAAGCTTCTGCCACCCTTGTCCACGGAATGCAAGCCTGCTGTAAGAGTACCT
 TATATCCCTTCTACAACCTGCACTCCAGCTGGGCCCTGCACCCAGCTGGGCCCTGCACCCAGCTCCTC
 AAGTCAGCACCCAGATCCGGACCATCACCGAGGAGATCAGGGATGGAAGAGTCATCTCTCCAGGGAGCA
 CGTGGTGCCCGGCAATG

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>MG219872 representing NM_001174099
 Red=Cloning site Green=Tags(s)

MATQICTPTFSAGSAKGLCGTSGSFSRISSIHSMGSCRAPSLVGTVGSVSSFRFTGFSGPGSCLPGSYLSS
 GCHSSGFAGSGGWFCGAFNGNEKATMQILNDRLANYLEKVRQLEQENTQLECRIREWYECQIPYICPDY
 QSYFKTAEELQKILLTKSENARLILQIDNAKLAADDFRTKYETELSLRQLVEADINGLRRILDELTLCK
 ADLEAQVESLKEELLCLKRNHEEEVNALRSQGDRLNVEVDAAPPVDLNKILDDMRCQYETLVENNRDV
 EAWFNTQTEELNQVSSSEQLQCCQTEIELRRTVNSLEIELQAQQSMRNSLESTLAETEARYSSQLGQ
 MQCLITNVESQLAEIRCDLERQNHQYVLLDVKARLESEIATYRRLLDGEDCKLPAHPCSTECKPAVRVP
 YIPSTTCTPAGPCTPAGPCTPAPQVSTQIRTITEEIRDGRVISSREHVPRAM

TRTRPLE – GFP Tag – V

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:


ACCN: NM_001174099

ORF Size: 1419 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_001174099.1](#), [NP_001167570.1](#)

RefSeq Size: 1666 bp

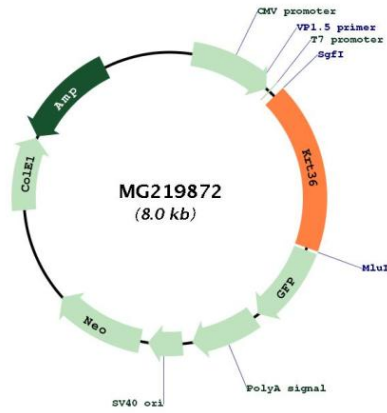
RefSeq ORF: 1422 bp

Locus ID: 16673

UniProt ID: [B1AQ75](#)

Cytogenetics: 11 D

Product images:



Circular map for MG219872