

Product datasheet for **MG216167**

Krt82 (NM_053249) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Krt82 (NM_053249) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Krt82
Synonyms:	Krt2-20
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG216167 representing NM_053249
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGTCATGCCAAATTTCCAGTTGAGCCCCAGATGTGGCAACCGAGTTTCAGCTCGTGCTCAGCCATCA
 TGCCCCGATGGTCACCCACTATGAAGTGAGCAAGGCGCCTGTGGTCCGGGGTGGCGGGGCCCTCCG
 AGCCCTGGGTTGCCTTGCTCTCGGAGCCTGTGCAACGTGGGTTTCGGGAGGCCCGTGTGGCCTCCAGA
 TGCGGCATGCCAGGCTTCGGGTACCGAGCGGGAGCCACCTGTGGATCTTCTGCCTGCATCACCCCTGTCA
 CCATCAATGAGAGTCTGCTGGTCCCCTGGAGCTGGAGATTGACCCGACCGTGCAAAGGGTGAAGAGAGA
 TGAAAAGGAGCAGATTAAGTGCCTGAATAACCGATTTCGCATCCTTCATCAACAAGGTGCGGTTCTGGAG
 CAGAAAAACAAGCTTCTGGAGACCAAGTGAACCTCATGCAGCAGCAGAGAAGTTGCCAGAGCAACATGG
 AGCCGCTCTTCGAGGGCTACATCTGTGCCCTGCGGCGACAGCTGGACTGTGTGTCGGGGACCACGGCAG
 ACTAGAGGCCGAGCTCTGCAGTCTCCAGGAGCGCTGGAGGGTTATAAGAAAAAGTACGAAGAGGAGCTG
 TCTCTGCGTCCCTGTGCTGAGAATGAGTTTGTACCCCTGAAGAAGGACGTGGACACAGCCTTCTGGTGA
 AGGCTGACCTGGAACCAACTTGGAGGCTCTAGAACATGAGATTGAGTTCCTGAAAGCCCTGTTTGGGA
 GGAGATCGGCCTGCTGCAGTCTCAGATCTCAGAGACTTCAGTCATCGTGAAGATGGACAACAGCCGGAA
 CTGGATGTGGACGGCATCGTAGCCGAGATCAAGGCCAGTATGACGACATCGCCAGCCGACGAAAGCAG
 AAGCAGAGGCCTGGTACCAGTCCCGGTATGAGGAGCTGAGGTTAACGGCTGGGAACCACTGTGACAACT
 ACGCAACCGCAAAAATGAGATCCTGAAATGAACAAGCTAATCCAGCGGCTGCAGCAGGACATTGAGGCA
 GTCAAAGGCCAGCGATGCAAGCTCGAGGGGCCATTGCCAGGCAGAGCAGCAGGAGAGGCCGCCCTCA
 CTGATGCCAAGTGCAAGCTGGCAGGGCTGGAGGAGGCTTGCAGAAGGCCAAGCAGGACATGGCCCTGCCT
 GCTCAAGCAGTACCAAGAGGTGATGAACCTGCAAGCTGGGGCTGGACATCGAGATCGCCACCTACAGGCGC
 CTGCTGGAGGGCAGGAGCACAGGTTGTGTGAAGGCATCGGGCCTGTGAATATCTCTGTCAGCAGCTCCA
 AAGGTGCCGTA CTCTACGAGCCCTGTGTGATGGGCACGCCATGCTGAGGACCGAATACTGCACCGGGAC
 CACGGGTGCTCTGAGGAACAGTGGGGCTGCAACGTGGTGGCACCAGTGAACCTACATCCCCTGCGAG
 CCCAAGGGCTCTGGGCTGTGAAATGGGCGGAGCTCCAGCATGAAGGTGGGGTGGGTAGCAATTCGT
 GCAGCCGC

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>MG216167 representing NM_053249
 Red=Cloning site Green=Tags(s)

MSCRNFQLSPRCGNRSFSSCSAIMPVMVTHYEVSKAPCRSGGGGLRALGCLGSRSLCNVGFGRPRVASR
 CGMPFGYRAGATCGSSACITPVTINESLLVPLELEIDPTVQVRVCRDEKEQIKLNNRFASFINKVRFLE
 QKNKLETKWNFMQQQRSCQSNMEPLFEGYICALRRQLDCVSGDHGRLEAELCSLQEALLEGYKYYEEL
 SLRPCAENEFVTLKDVDTAFLVKADLETNLEALEHEIEFLKALFEEIIGLLQSQISETSVIVKMDNSRE
 LDVDGIVAEIKAQYDDIASRSKAEAEAWYQCRYEELRLTAGNHCDNLRNRKNEILEMNLIQRLQQDIEA
 VKGQRCKLEGAIAQAEQQGEAAL TDAKCKLAGLEEALQKAKQDMACLLKQYQEVMMCKLGLDIEIATYRR
 LLEGEHRLCEGIGPVNISVSSSKGAVLYEPCVMGTPMLRTEYCTGTTGVLNRSGGCNVVGTEL YIPCE
 PQGLLGCGNRSMSMKVGVGNSCSR

TRTRPLE – GFP Tag – V

Restriction Sites:

Sgfl-Mlul

ACCN:	NM_053249
ORF Size:	1548 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:	<ol style="list-style-type: none">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_053249.3 , NP_444479.2
RefSeq Size:	2100 bp
RefSeq ORF:	1551 bp
Locus ID:	114566
UniProt ID:	Q99M74
Cytogenetics:	15 56.9 cM