

## Product datasheet for **MG214959**

### **Krt90 (NM\_177717) Mouse Tagged ORF Clone**

#### **Product data:**

<b>Product Type:</b>	Expression Plasmids
<b>Tag:</b>	TurboGFP
<b>Symbol:</b>	Krt90
<b>Synonyms:</b>	4732456N10Rik; Ket90
<b>Mammalian Cell Selection:</b>	Neomycin
<b>Vector:</b>	pCMV6-AC-GFP (PS100010)
<b>E. coli Selection:</b>	Ampicillin (100 ug/mL)



**ORF Nucleotide Sequence:** >MG214959 representing NM\_177717  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTGCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCCGCGATCGCC

ATGACCCAGCGATCCTCGGTGACCATCAAGTCTGGGGCACGCGGAATTCAGTGCCTCCTCGGCTAGCC  
 TCCTTCTGGATGTCGGCCGGTTTTAGCTCTGTCTGTGTCCCAGAGCGGAAGAGTTTCGGAGGTGG  
 CATAGGGGTGGTTTTGGGACAAGAAGCCTACACAGCTTTGGGGTAACAAGAGGATCTCCATCGGTGGG  
 GGCTACCGCTCCACCCGAGCCAGCTTTGGGGCTCTGCCTGTGGTCTGGGTGTGACGGGCATAGGATACA  
 GAGTTGGGGAGCCTATGGAGGGTATGGATATGGAGGTGGGATGGCCCCGGAGCTGGAGGCATCCATGA  
 AGTCACTGTCAACCAGAGTCTCCTGACACCCCTCCACCTGGAGATTGATCCATCTCTCCAGCGGGTTCGA  
 AAGGAGGAGAAGGAGCAGATCAAGACCCTCAACAACAAGTTCGCCTCCTTCATAGATAAGGTGCGGTTCT  
 TGGAGCAGCAGAACAAGTCTTAGAGACCAAATGGAGCCTCCTCAAGAGCACAAAACAACAGGACCAA  
 TCTAGAGCCCATGTTGGAAGCTACATACCAACCTGAGGCCAGCTGGAGTGCCTGGGAGGGGAGCGG  
 AGCAGGCTGGAGACGGAGCTGAAGAGCATGCAGGACCTGGTGGAGGACTTCAAGAACAAGTACGAAGAGG  
 AAATCCACAGACGTACAGCGGCAGAGAATGAGTTTGTGGTACTCAAAAAAGATGTGGACGCTGCCTACAT  
 GAACAAGGTGGAGCTAGAGGCCAAGGTGGAAGCTCTGATGGATGAGATCAACTTCTGAGAGCTTTCTTT  
 GAAGCGGAGCTGGCTCACTTCAGGCTCAAATCTCTGAGACCTCTGTGGTCTGTCCATGGACAACAACC  
 GCAGCCTGAACCTGGACAGCATCATTGCTGAGGTCAAGGCCCAATACGAGGACATTGCCAATCGCAGCCG  
 GGCAGAGGCTGAATCCTGGTACCAGACCAAGTATGAGGAGCTGCAGAGGCTGCTGGCCAACCGGGGAT  
 GACCTCCGTAATAAGATGGAGATCTCTGAGCTGAACCGGGCCATGCAGAGGCTGCGTTCTGAGATTG  
 ACAATCTGAAGAAGCAGTGTGCCACACTCCAGGCTTCCATTGCCGATGCCGAGCAACCGGGGAGCTGGC  
 TCTCAAAGATGCCAAGAACAAGCTGGCCGAGCTGGAGGACGCCCTGCAGAAGGCCAAGCAGGACATGGCC  
 CGTCAACTGCGAGAGTACCAGGAGCTCATGAACGTCAAGCTGGCCCTGGACATAGAGATCGCCACCTACC  
 GAAAGCTGCTGGAGGGCAGGAGTGCAGGCTCACTGGAGAAGGTGTTGGTCCGTGAACATCTCTGTGGT  
 CTCTTCTCCGGGGCACAGGCTACAGTGGAGTGGTGGCTGTGTGTGAGTGGCGGAGGCTACAGCGGA  
 GGCGGCTACAGTGGGAGTGGCCTCTGCTACGGGGCGGAGGCAGCGGAGGTTTTAGCTCCACCAGCGGCT  
 GCAGTGTGAGCGGCAGCAGTTCAAGCATGAGAATTGTCTCAAGACATCATCCACCAAGAAGAGTTACCG  
 GAGC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

**Protein Sequence:** >MG214959 representing NM\_177717  
 Red=Cloning site Green=Tags(s)

MTQRSSVTIKSGGTRNFSASSASLLPGCRPGFSSVSVSQSGKSFGGGIGGGFGTRSLHSFGGNKRISIGG  
 GYRSTRASFSGSACGLGVSGIGYRVGGAYGGYGYGGMAPGAGGIHEVTVNQSLTPLHLEIDPSLQVRV  
 KEEKEQIKTLNKNFASFIDKVRFLQNKVLETKWLLQEHKTRTNLEPMFEAYITNLRRLQLECLGGER  
 SRLETELKSMQDVVEDFKNKYEEEEIHRRTAAENEFVVLKDVDAAYMNKVELEAKVEALMDEINFLRAFF  
 EAELAQLQAQISETSVLMDNRRSLNLDSEIAEVKAQYEDIANRSRAEAE SWYQTKYEELQRSAGQRGD  
 DLRTTKMEISELNRAMQRLRSEIDNLKKQCATLQASIAEAEQRGELALKDAKNKLAELDALQKAKQDMA  
 RQLREYQELMNVKLALDIEIATYRKLLEGEECRLTGEVGVAVNISVVSSSGGTGYSGGGGLCVSGGGYSG  
 GYSGSGLCYGGGSGGFSSSTGRSVSGSSSMRIVSKTSSTKKSYSRS

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**


**ACCN:** NM\_177717

**ORF Size:** 1614 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:**

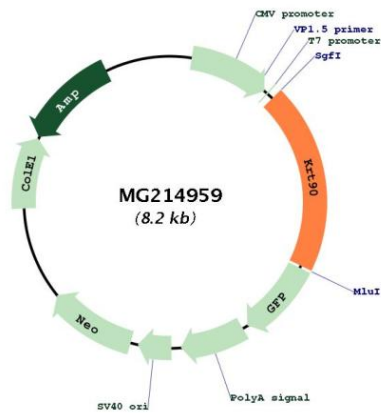
1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store 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\\_177717.4](#), [NP\\_808385.2](#)

**RefSeq Size:** 2534 bp

RefSeq ORF: 1617 bp  
Locus ID: 239673  
Cytogenetics: 15 F2

**Product images:**

Circular map for MG214959