

## Product datasheet for **MG215736**

### **Krt42 (NM\_212483) Mouse Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Krt42 (NM_212483) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Krt42
Synonyms:	2410039E07Rik; ecat6; K17n; Ka22
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

**ORF Nucleotide Sequence:**

>MG215736 representing NM\_212483  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGCTTCCACTACCAGTGTCCGCCAGTTTCAACTTCTGGCTCCGTTAAGGGCCTTTGTGCTCCCGGCA  
 TGGGATTCCTCCCGATGTCTCTGTTCTGTTGGGGTGCCTGCCGGCTCCAGCCTCTTGGGAGGTGG  
 AAGCTGTGGCAATATGTCCGTACCTCCTCCCGCTTCTCAGCAGGCTTAGGAGGCGGCTATGGTGGTGGC  
 TACACTTGCAGCCTGGGTGGGGCTTTGGCTCCAGTTTGGTGTGTGGATGCCCTCTAGGGGGCAGTG  
 AGAAGGAGACCATGCAGAATCTTAATGACCGGCTGGCCACCTACTTAGACAGGTCGCTGCCCTGGAGGA  
 GGCCAACGCTGACCTGGAGGTGAAGATCCGTGAGTGGTACAAGAAGCAGGGCCCCGGACCGGCTCGTGAC  
 TACAGCCCCTACTCAAGACCATAGAGGACCTGCGGAACAAGATCCTGGCAGCCACAATCGACAACGCCA  
 GCATCGTGTGCAGATTGACAACGCTCGCTGGCAGCCGATGACTTCCGCACCAAGTACGAGACAGAGCT  
 GAACCTGCGCATGAGCGTGGAGGCCGACATCAATGGCCTGCGCCGGGTGCTGGATGAACTGACCCTGGCC  
 AGAGCCGACCTGGAAATGCAGATCGAGAGCCTGAAGGAGGAGCTGGCCTATCTGAGGAAGAACCATGAGG  
 AGGAAATGAATGCCCTTCGTGGCCAGGTGGGCGGGGACGTC AATGTGGAGATGGACGCCGCCCCCGGTGT  
 GGACCTGAGCCGCATCCTGAACGAGATGCGGGATCAGTATGAGAAGATGGCGGAGAAGAACC GCAAGGAT  
 GCTGAGGAATGGTTCTTACCAAGACAGAGGAGCTGAACCGAGAAGTGGCCACCAACACGGAGGCCCTGC  
 AGAGCAGCCGGACAGAGATCACGGAGCTCCGCCGCTCTGTGCAGAACCTGGAGATTGAGCTGCAGTCCCA  
 GCTCAGCATGAAAGCATCACTGGAGAACAGCCTGGCAGAGACAGAGGCGCGCTATGGGGCCAGCTGGCG  
 CAGCTGCAGGGCCTCATTAGCAGTGTGGAACAGCAGCTGTGTGAGCTGCGTTGTGACATGGAAGGCAGA  
 ATCATGAGTACCAGGTGCTGCTGGATGTGAAGACCCGACTGGAGCAGGAGATCGCCACCTACCGCGTCT  
 GCTGGAGGGCGAGGACGCCACCTGGCTACTCAATACTCCTCATCCCTGGCTTCGCAGCCCTCCCGAGAA  
 GGCATGGTGACCAGCCGACAGGTGCGCACCATTTGTGGAGGAAGTCCAGGATGGTAAGGTGGTCTCTCCA  
 GAGAGCAGGTGCACCGCTCCACCCAC

**ACGCGTACGCGGCCGCTCGAG** - GFP Tag - GTTTAA

**Protein Sequence:**

>MG215736 representing NM\_212483  
 Red=Cloning site Green=Tags(s)

MASTTSVRQFSTSGSVKGLCAPGMGFSRMSSVRVGGACRAPSLLGGGSCGNMSVTSRFSAGLGGGYGGG  
 YTCSLGGGFGSSFGVSDALLGGSEKETMQNLNDRLATYLDVRVRALEEANADLEVKIREWYKKQGP GPARD  
 YSPYFKTIEDLRNKILAATIDNASIVLQIDNARLAADDFRTKYETELNLRMSVEADINGLRRVDEL TLA  
 RADLEMQIESLKEELAYLRKNHEEEMNALRGQVGGDVNVEMDAAPGVDL SRILNEMRDQYEKMAEKNRKD  
 AEEWFFTKTEELNREVA TNTEALQSSRTEITELRRSVQNL EIELQSQLSMKASLENSLAETEAR YGAQLA  
 QLQGLISSVEQQLCELRCDMERQNH EYQVLLDVKTRLEQE IATYRRLLEGEDAHLATQYSSSLASQPSRE  
 GMVTSRQVRTIVEEVQDGKVVSSREQVHRSTH

**TRTRPLE** - GFP Tag - V

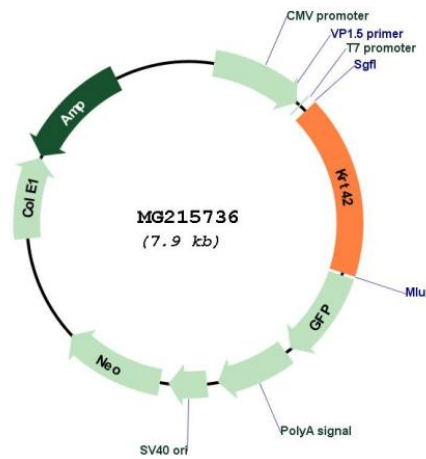
**Restriction Sites:**

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM\_212483

ORF Size: 1356 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.

<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u><a href="#">NM_212483.3</a></u>
<b>RefSeq Size:</b>	1547 bp
<b>RefSeq ORF:</b>	1359 bp
<b>Locus ID:</b>	68239
<b>UniProt ID:</b>	<u><a href="#">Q6IFX2</a></u>
<b>Cytogenetics:</b>	11 D