

Product datasheet for **MR215736**

Krt42 (NM_212483) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Krt42 (NM_212483) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Krt42
Synonyms:	2410039E07Rik; ecat6; K17n; Ka22
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR215736 representing NM_212483
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCTTCCACTACCAGTGTCCGCCAGTTTCACTTCTGGCTCCGTTAAGGGCCTTTGTGCTCCCGCA
 TGGGATTCCTCCCGATGTCTCTGTTCTGTTGGGGTGCCTGCCGGCTCCAGCCTCTGGGAGGTGG
 AAGCTGTGGCAATATGTCCGTACCTCCTCCCGTTCAGCAGGCTTAGGAGGCGGCTATGGTGGTGGC
 TACACTTGCAGCCTGGGTGGGGCTTTGGCTCCAGTTTGGTGTGTGGATGCCCTCTAGGGGGCAGTG
 AGAAGGAGACCATGCAGAATCTTAATGACCGGCTGGCCACCTACTTAGACAGGTTGCGTCCCTGGAGGA
 GGCCAACGCTGACCTGGAGTGAAGATCCGTGAGTGGTACAAGAAGCAGGGCCCCGACCGGCTCGTGAC
 TACAGCCCCTACTCAAGACCATAGAGGACCTGCGGAACAAGATCCTGGCAGCCACAATCGACAACGCCA
 GCATCGTGTGCAGATTGACAACGCTCGCTGGCAGCCGATGACTCCGCACCAAGTACGAGACAGAGCT
 GAACCTGCGCATGAGCGTGGAGGCCGACATCAATGGCCTGCGCCGGGTGCTGGATGAACTGACCCTGGCC
 AGAGCCGACCTGGAAATGCAGATCGAGAGCCTGAAGGAGGAGCTGGCCTATCTGAGGAAGAACCATGAGG
 AGGAAATGAATGCCCTTCGTGGCCAGGTGGGCGGGGACGTCATGTGGAGATGGACGCCGCCCCCGGTGT
 GGACCTGAGCCGCATCCTGAACGAGATGCGGGATCAGTATGAGAAGATGGCGGAGAAGAACCGAAGGAT
 GCTGAGGAATGGTTCTTACCAAGACAGAGGAGCTGAACCGAGAAGTGGCCACCAACACGGAGGCCCTGC
 AGAGCAGCCGGACAGAGATCACGGAGCTCCGCCGCTCTGTGCAGAACCTGGAGATTGAGCTGCAGTCCCA
 GCTCAGCATGAAAGCATCACTGGAGAACAGCCTGGCAGAGACAGAGGCGCGCTATGGGGCCAGCTGGCG
 CAGCTGCAGGGCCTCATTAGCAGTGTGGAACAGCAGCTGTGTGAGCTGCGTTGTGACATGAAAGGCAGA
 ATCATGAGTACCAGGTGCTGCTGGATGTGAAGACCCGACTGGAGCAGGAGATCGCCACCTACCGCGTCT
 GCTGGAGGGCGAGGACGCCACCTGGCTACTCAATACTCCTCATCCCTGGCTTCGACGCCCTCCCGAGAA
 GGCATGGTGAACGCGCCAGGTGCGCACCATTTGTGGAGGAAGTCCAGGATGGTAAGGTGGTCTCTCCA
 GAGAGCAGGTGCACCGCTCCACCCAC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR215736 representing NM_212483
 Red=Cloning site Green=Tags(s)

MASTTSVRQFSTSGSVKGLCAPGMGFSRMSSVRVGGACRAPSLLGGGSCGNMSVTSRFSAGLGGGYGGG
 YTCSLGGGFGSSFGVSDALLGGSEKETMQNLNDRLATYLDVRVALEEANADLEVKIREWYKKQGP
 PARD YSPYFKTIEDLRNKILAATIDNASIVLQIDNARLAADDFRTKYE TELNLRMSVEADINGLRRVLD
 DELTLA RADLEMQIESLKEELAYLRKNHEEEMNALRGQVGGDVNVEMDAAPGVDLSRILNEMRDQY
 EKMAEKNRKAEEWFFTKTEELNREVATNTEALQSSRTEITELRRSVQNLIEIQSLSMKASLENSLA
 ETEARYGAQLAQLQGLISSVEQQLCELRCDMERQNHQYVLLDVKTRLEQEIATYRRLLEGEDAH
 LATQYSSSLASQPSREGMVTSRQVRTIVEEVQDGKVVSSREQVHRSTH

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mm9060_a10.zip

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:


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.

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_212483.3](#)

RefSeq Size: 1547 bp

RefSeq ORF: 1359 bp

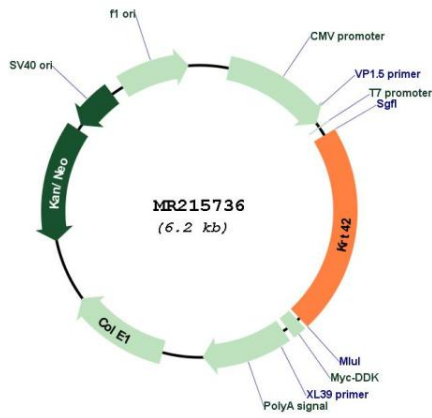
Locus ID: 68239

UniProt ID: [Q6IFX2](#)

Cytogenetics: 11 D

MW: 50.1 kDa

Product images:



Circular map for MR215736