

## Product datasheet for **MR230534**

### **C87436 (NM\_001243741) Mouse Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	C87436 (NM_001243741) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	C87436
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>MR230534 representing NM\_001243741  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGGAACCAAACCTCTCAGAGACTAAAGTCCCAGCTTTCTTATCTGACTTGGGAAGGCCACACTGAGGG  
 GAATCAGGAAGTGTCCCGATGTGGTAGCTTCAATGGAACCCGTGGGTTGAGCTGTAAAGAACAAGACATG  
 TGGAACCATATTTTCGCTATGGTGCCGAAAGCAGCCTAGCATTGAAGCTGTCAAATCATCACCGGCTCT  
 GATCTACAGGTCTACTCTGTGCGACAGAGAGACCGAGGCCCGACTACCGATGCTTCGTGGAGCTCGGTG  
 TTTCCGAGACTGCAATCCAGACCGTGGATGGTACAATCATCACTCAGCTGAGCTCCGGCCGATGTACGT  
 CCCCTCGTGTGAAAGCTGCCACTCAAGGCATTGTGGAAAACAGTGTCAACACATCAAGCTAGCGGTG  
 ACCTGCCAGGCGGAGGCCACCCCTCTGACCCTGAAGAGCTCAGTCTGAATGCTCTGCAGGCTGCCCCAG  
 AAACAAGCAGAGCCTCTGGCAGCTGGCCACCGAGCCACGGGGCCCTGGTACAGAGAGTCACTAAAAA  
 CATTATGGTGGTAAAATGCAAAGCCAGCCAGAAGCACAACCTTGGGCTACTTGCACGCGTCTTCATGCGAG  
 AAGATCAGCTCCAGAAGCTTGGCCGAGCGCCGCTTCTTCTGCTCTGCCAGACTCTGAGGCCACACAAGT  
 CCAGCGTCCCCAAGGCTGAGGCAGCCCCAAAGTGCATCCATTTCTTTGCTTGTCTCTGTGCCTTTGCCAG  
 CGATGAGACATTGGCTCAGGAGTTCTCGGACTTTCTGAACTTCGATGCCAGTGGCTGCCATGCAGAGTCA  
 TCTGTCTCAGCTTGTGAGTCTGCTGCCTTAAGCCCCGGAAGAGGAAGAAGGATGAAGTGTCTGGTGCAC  
 AGGTGAACAGCTCACTGATGCCCAAGATGCAGTAAACAGCAATCTAAGGAAGAGTGGCTGAAAAGGCC  
 TGTGGTTACGTCATCATTGAAAAGGCACGTCTGTGGTCAAGTGTAGTAGAGGCAACAAGTACCCTGTCC  
 TTCCAAGACTGGCTGGCCAGTGTACAGAGCCATCCATCAAACCATGCACATCAGTTTGTATGGCAAAC  
 CAGAACCCTGGTGTCCACATTCCTCAGTCTTTTGGTGCCTTGAACAGAGAATATCCATAGGAAG  
 TGCAAAGAAGCGGCTCCCAACTCCACTACAGCTTTTGTTCGGAAGATGCCTTGGCACTGGGAACCTTT  
 TCCAAGTACACCTGGCATATACCAATATTCTGCAAGTCAAACAATCTTAGACACCCCAAGATGCCCC  
 TGGAAATCACACGTAGCTTTATCCAGAACCAGGATGGAACCTACGAGCTGTTAAATGCCCAAGTGGAA  
 AGTAGAGAACATAGCGGAAAGCTACGGCCGCATAGAGAAGCAGCCTGTGCTGAGACCTTTGGAGCTGAAA  
 ACCTTCTCAAAGTTGGTAACACTTCCCAGATCAAAGGAGCCAACGCCCTTTATCATTGAGTGGATCC  
 CAGATATCTCCACAGTCCAAGATTGGTGGCTTCAAGTCAAGTTTGTATGGTACCACCGGATGG  
 ACATGTGGCTGACTACCAGACCAAGGCCACCATGGACCAACCTTTGGAGCTGCCCCCTCTGACTACT  
 ATCACTTCCCT

AG**GCGACCG**ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC  
 TGGATTACAAGGATGACGACGATAAGGTTAA

**Protein Sequence:**

>MR230534 representing NM\_001243741  
 Red=Cloning site Green=Tags(s)

MEPNSQRTKVP AFLSDLGKATLRGIRKCPRCGTFNGTRGLSCKNKTCGTIFRYGARKQPSIEAVKIITGS  
 DLQVYSVRQRDRGPDYRCFVELGVSETAIQTVDGTIITQLSSGRYVPSCLKAATQGIVENQCQHIKLA  
 TCQAEATPLTLKSSVLNALQAAPETKQSLWQLATEPTGPLVQRVTKNIMVVKCKASQKHNLYLHASF  
 MISSRSLPERRFFCSCQTLRPHKSSVPKAEAPKCIHFFACLCAFASDETLAQEFSDFLNFDASGCHAE  
 SVSACESAASKPRKRKKDEVSGAQVNSSLMPQDAVNSNLRKSGLKRVPVVTSSLKRHVCGQLLDEA  
 QVTLSFQDWLASVTERIHQTMHYQFDGKPEPLVFHQPQSFFDALQQRISIGSAKKRLPNSTTAFVRK  
 DALPLGTF SKYTWHITNILQVKQILDTPEMPLEITRSFIQNRDGTIELFKCPKVEVENIAESYGRIE  
 KPVLRLPELKTFLKVGNTSPDQKEPTPFIIIEWIPDILPQSKIGELRIKFEYGHHRNGHVADYQDPR  
 PPMQPLELAPLTTITFP

SGP**TRTRPLEQKLI**SEEDLAANDILDYKDDDDKV

**Restriction Sites:**

SgfI-RsrII

**Cloning Scheme:**


**ACCN:** NM\_001243741

**ORF Size:** 1692 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\\_001243741.1](#), [NP\\_001230670.1](#)

**RefSeq Size:** 3018 bp

**RefSeq ORF:** 1695 bp

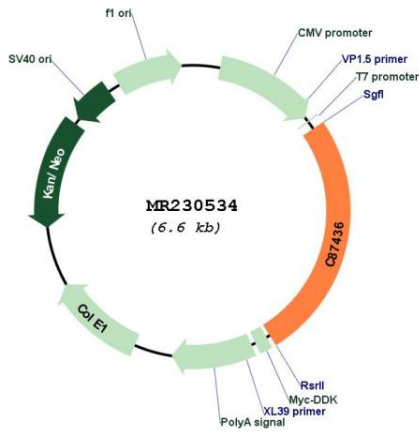
**Locus ID:** 232196

**UniProt ID:** [Q8R3C1](#)

**Cytogenetics:** 6 D1

MW: 63.4 kDa

Product images:



Circular map for MR230534