

## Product datasheet for **MR230557**

### **C87436 (NM\_001243742) Mouse Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	C87436 (NM_001243742) 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:**

>MR230557 representing NM\_001243742  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGGAACCAAACCTCTCAGAGACTAAAGTCCCAGCTTTCTTATCTGACTTGGGAAGGCCACACTGAGGG  
 GAATCAGGAAGTGTCCCGATGTGGTAGCTTCAATGGAACCCGTGGGTTGAGCTGTAAAGAACAAGACATG  
 TGGAAACCATATTTTCGCTATGGTGCCCGAAAGCAGCCTAGCATTGAAGCTGTCAAATCATCACCGGCTCT  
 GATCTACAGGTCTACTCTGTGCGACAGAGAGACCGAGGCCCGACTACCGATGCTTCGTGGAGCTCGGTG  
 TTTCGGAGACTGCAATCCAGACCGTGGATGGTACAATCATCACTCAGCTGAGCTCCGGCCGATGTTACGT  
 CCCCTCGTGTGAAAGCTGCCACTCAAGGCATTGTGGAAAACCAAGTGTCAACACATCAAGCTAGCGGTG  
 ACCTGCCAGGCGGAGGCCACCCCTCTGACCCTGAAGAGCTCAGTCTGAATGCTCTGCAGGCTGCCCCAG  
 AAACCAAGCAGAGCCTCTGGCAGCTGGCCACCGAGCCACGGGGCCCTGGTACAGAGAGTCACTAAAAA  
 CATTATGGTGGTAAAATGCAAAGCCAGCCAGAAGCACAACCTGGGCTACTTGCACGCGTCTTCATCGAG  
 AAGATCAGCTCCAGAAGCTTGCCGAGCGCCGCTTCTTCTGCTCTGCCAGACTCTGAGGCCACACAAGT  
 CCAGCGTCCCCAAGGCTGAGGCAGCCCCAAAGTGCATCCATTTCTTTGCTTGTCTCTGTGCCTTTGCCAG  
 CGATGAGACATTGGCTCAGGAGTTCTCGGACTTTCTGAACTTCGATGCCAGTGGTCTTAAGGAGATAATT  
 GTGCCCATTTAGGCTGCCATGCAGAGTCACTGTCTCAGCTTGTGAGTCTGTGCCTCTAAGCCCCGGA  
 AGAGGAAGAAGGATGAAGTGTCTGGTGCACAGGTGAACAGTCACTGATGCCGAAGATGCAGTAAACAG  
 CAATCTAAGGAAGAGTGGCCTGAAAAGGCTGTGGTACGTATCATTGAAAAGGCACGTCTGTGGTCCAG  
 CTGTTAGATGAGGCACAAGTACCCTGTCTTCCAAGACTGGCTGGCCAGTGTACAGAGCCGATCCATC  
 AAACATGCATATCAGTTTGTGGCAAACAGAACCCCTGGTGTCCACATTCCTCAGTCTTTTTTTGA  
 TGCCTTGAACAGAGAATATCCATAGGAAGTGCAAAGAAGCGGCTCCCCAACTCCACTACAGCTTTTGT  
 CGGAAAGATGCCTTGCCACTGGGAACCTTTTCCAAGTACACCTGGCATATCACCAATATTCTGCAAGTCA  
 AACAAATCTTAGACACCCAGAGATGCCCTGGAAATCACACGTAGCTTTATCCAGAACCGGGATGGAAC  
 TTACGAGCTGTTAAATGCCCAAAGTGAAGTAGAGAACATAGCGGAAAGCTACGGCCGATAGAGAAG  
 CAGCCTGTGCTGAGACCTTTGGAGCTGAAAACCTTCTCAAAGTTGGTAACTTCCCCAGATCAAAGG  
 AGCCAACGCCCTTTATCATTGAGTGGATCCCAGATATCCTCCACAGTCCAAGATTGGTGGCTTCGAAT  
 CAAGTTTGGATATGGTACCACCGGAATGGACATGTGGCTGACTACCAGGACCCAAGGCCACCCATGGAC  
 CAACCTTTGGAGCTGGCCCTCTGACTACTATCACTTTCCCT

AG**CGGACCG**ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC  
 TGGATTACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>MR230557 representing NM\_001243742  
 Red=Cloning site Green=Tags(s)

MEPNSQRTKVP AFLSDLGKATLRGIRKPCRCGTFNGTRGLSCKNKTCGTFIRYGRKQPSIEAVKIITGS  
 DLQVYSVRQRDRGPDYRCFVELGVSETAIQTVDTIITQLSSGRYVPSCLKAATQGIVENQCQHIKLA  
 TCQAEATPLTLKSSVLNALQAAPETKQSLWQLATEPTGPLYVQRVTKNIMVVKCKASQKHNLYLHASF  
 MIKISSRSLPERRFFCSCQTLRPHKSSVPKAEAAPKCIHFFACLCAFASDETLAQEFSDFLNFDASGLKE  
 IIVPHLGHAESSVSACESAASKPRKRKKDEVSGAQVNSSLMPQDAVNSNLRKSGLRKRPVVTSSLKR  
 HVCGLLDEAQVTL SFQDWLASVTERIHQTMHYQFDGKPEPLVFHIPQSFFDALQQRISIGSAKRLPN  
 STTAFVRKDALPLGTF SKYTWHITNIIQVKQILDTPEMPLEITRSFIQNRDGTIELFKCPKVEVENIA  
 ESYGRIEKQPVLRLPELKTFLKVGNTSPDQKEPTPIIEWIPDILPQSKIGELRIKFEYGHHRNGH  
 VADYQDPRPPMDQPLELAPLTTITFP

SGP**TRTRPLEQKLI SEEDLAANDILDYKDDDDKV**

**Restriction Sites:**

Sgfl-RsrII

**Cloning Scheme:**


**ACCN:** NM\_001243742

**ORF Size:** 1722 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\\_001243742.1](#), [NP\\_001230671.1](#)

**RefSeq Size:** 2569 bp

**RefSeq ORF:** 1725 bp

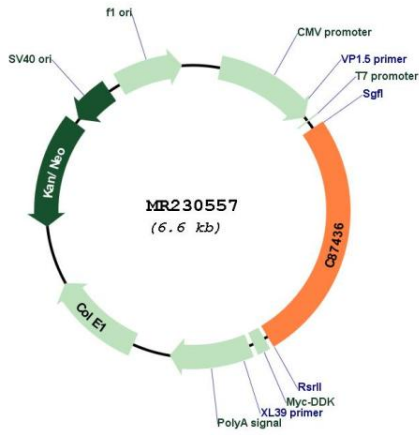
**Locus ID:** 232196

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

**Cytogenetics:** 6 D1

MW: 64.5 kDa

Product images:



Circular map for MR230557