

## Product datasheet for **MR213530**

### **C87414 (NM\_001164284) Mouse Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	C87414 (NM_001164284) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	C87414
Synonyms:	MGC60750; MGC91124; MGC103218
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>MR213530 ORF sequence  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGAGTGGTCAGACCCACCCACACACTCTGCTGACACATGAAGCTTTGATCATGTCCTCTCTGGAGG  
 AGTTGCCACTGTGGTCTTCCCAGCACTATTCAAAGAGGCCTTTGCTGGCAGACACACCAATCTCCTAAA  
 GGCAATGGTGGCAGCCTGGCCTTCCCTGTCTCCCTGTGGGCCATTGATGAAGAAGCCTAACCTAGAA  
 ACCTTGCAAGCCCTGCTAGATGGAATAGACATGCGACTGACAAGAGAGTTTCACCCAGGAGGGCAAAC  
 TTCAGGTTCTTGACATGAGAAATATGTACCATGCCTTCTGGAACATACGGGCTGATGCAAAATGACAGTGA  
 CTGTAATCAAAGACATTGGATGAAAAGCAGCTAGTGAAGGTCTTCCGAGATATGCACGGAGGCAGCGT  
 CTGAAGGTCATAGTCAACCTGTCAATCAGTCCCACTTCAATAAATCAAAGGCATATTTCTGAATTGGG  
 CCAAGCAGAGAATAGGATCCCTATATTTCTGCTGTATAAAGATGAGGATCTGGGACCCACCAGACCAAGT  
 TATCAGAGACATCTTAAATGTTTTTGATCCAGAGCACATCACAGAATTAGAACTGAATACTGACTGGACT  
 CTGTTACAGCTTGACATTTTGCTTCTACTTTGGGCACATGAAAAATCTTCAAAAAGTCTTCTGGCAC  
 CACTCCACAAGAATACATCCCCTATTATCAATATAACAAATGCCACAGAAGCCAAGTGTGTTTCAAAAAT  
 TATTTCTCAGTTTTCCAATTCAACTGTCTCCAGCATATCTTATGAAACACGTCCATTTTCAAGAGAC  
 TACATGAATCAGGTCCTAGGGTGCCTGATGACACCCTTGAGACCCTCTCCATCACTCAATGCCTAATTT  
 CACAGAGAGACTTTGATTTATTTTCTGCTCCAAAACCTCTTAAATTAACAACTCTGGAATAAGAGG  
 GATGATCTTATATGCTTTGGATCTTATGCCTCTGAGAGTTCTCCTAGAAAAAGTAGCAGACACTCTTGAG  
 ATCTGGATTTTCAGTGGTGTAGGATGAAGGACTCCAGATCAATGCCCTCTACCTGCCCTCAGTCAAT  
 GTACTCAGCTCAACCAGATCAACTTCTACAACAATGACTTCTCCATGTGCACCCTGAAGGCCCTTTTCCA  
 GCACACGCCCAACTGGAGCAAGATGAATGTGGAACAATACCCTGCCCTCTGCAGTGTATAGTGAGTTG  
 GGTGATGCCTCTGTAGAAAGATTTGTCCAACTTTGTGAGGAGCTCATGTATACTCTCAGAGCTATAAGGC  
 AGCCCAAGAGCATCTCTTTGCTACAGATAACTGTCAAAAATGTGGTAAGCCCTGTGCTATGACCAGGG  
 CCAATACTTTGTTCTTGTTCAG

**ACGGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT**  
**ACAAGGATGACGACGATAAGGTTTAA**

**Protein Sequence:**

>MR213530 protein sequence  
 Red=Cloning site Green=Tags(s)

MSGQTPPTHLLTHEALIMSSLEELPTVFPALFKEAFAGRHTNLLKAMVAAWPFPLPVGPLMKKPNLE  
 TLQALLDGDIMRLTREFHPRRAKLQVLDMRNMYHAFWNIRADANDSDCKSKLDEKQLVKVLPYARRQR  
 LKVIVNLSISSHFNKSKAYFLNWAQRIGSLYFCCIKMRIWPPDQVIRDIFNVFDPEHITELELNDWT  
 LLQLAHFASYFGHMKNLQKVFLAPLHKNTSPIINITNATEAKCVHKIISQFSQFNCLQHIFMKHVHFLRD  
 YMNQVLGCLMTPLETLSITQCLISQRDFDLFSCSQNLFKLKHLEIRGMILYALDLMPLRVLLEKVVADTLE  
 ILDFQWCRMKDSQINALLPALSQCTQLNQINFYNNDFSMCTLKALFQHTANWSKMNVEQYPAPLQCYSEL  
 GHASVERFVQLCQELMYTLRAIRQPKSISFATDNCQKCGKPCVYDQGPILCSCFQ

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**


**ACCN:** NM\_001164284

**ORF Size:** 1428 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\\_001164284.1](#), [NP\\_001157756.1](#)

**RefSeq Size:** 2719 bp

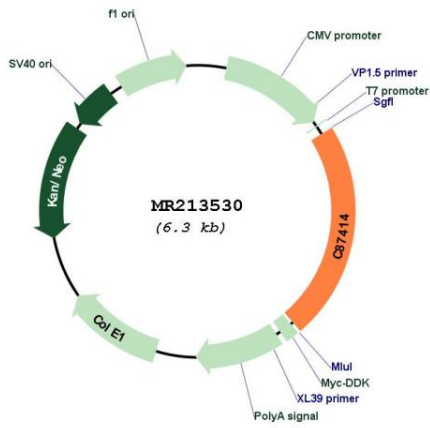
**RefSeq ORF:** 1428 bp

**Locus ID:** 381654

**Cytogenetics:** 5 E2

MW: 55 kDa

Product images:



Circular map for MR213530