

## Product datasheet for **MR215622**

### **Ckap4 (NM\_175451) Mouse Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Ckap4 (NM_175451) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Ckap4
Synonyms:	5630400A09Rik; CLIMP-63; P63
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>MR215622 representing NM\_175451  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGCCCTCGGCCAAACAAAGGGCTCCAAGGGCGGCCACGGCCGCGAGCCCTCGGACAAGGGCGCCC  
 ACCCGTCGGGCGGCGCGGATGACGTGGCGAAGAAGCCGCGGCGCGCCGAGCAGCCGAGCCTCCCGC  
 GCCGACCCGCCGAGCACCCGCAAGACAGGCGCACCGGGCGGCCACCGCGGCCGCTCAGCCGCC  
 ACCGCCAACCGTCTCCGCTCTGCTCGCGCAGGCTTGGCCGGGTGCTCAACTTTCTTCTACCTCT  
 CCCTGGTGGCGGCGGCCCTTCTCGGGCTGGTATGTCCATCACGTCTGGAGGAGTCCAGCAGGTCCG  
 GCGTGGCCACCAGGACTTCTCCCGTCAGAGGGATGAGCTGGGCCAGGGCTTCAGGGCGTCGAGCAGAAG  
 GTCCAATCCCTGCAAGCCACATTTGGGACTTTCGAGTCCCTCTGAGAACTCCCAGCATAAACAGGATC  
 TCACAGAGAAAGCCGTGAAGGAAGGGGAGAGCGAGCTCAACCGAATTAGCGAAGTTCTACAGAAGTTGCA  
 GAATGAGATTCTCAAAGATCTGTCGGACGGGATCCACGTGGTGAAGGATGCCCGGAGCGGGACTTCAGC  
 TCCTTGAGAAACACAGTCGAGGAGCGCCTGACGGAGCTTACCAAGTCTATCAATGACAACATCGCCATCT  
 TCACTGATGTCCAGAAGAGGAGCCAGAAGGAGATCAATGAGGTCAAGATGAAGGTGGCCTCCCTGGAAGA  
 ATCCAAGGGGATCGCAGTCAGGACGTGAAAACCTGAAGGACGCCGTGAAGGAGTCCAGGCCTCCATG  
 ATGTCGAGGGAGAGGGACATTGAGGCCCTGAAGAGTTCCTTTCAGACGATGGAGTCCGACGTCTACACAG  
 AGGTGCGGGAACCTGGTGAAGCCTCAAGCAGGAGCAACAGGCGTTCAAGCAGGCGGCCGACTCAGAGCGCT  
 GGCTCTGACGGCCCTCACGGAGAAGCTTCTGCGG[AT]CCGAGGAGTCTCCTCTCGTCTCCAGAGGAC  
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 AGAGGACGGGTTACTCAATGCAGGTGGCTTCTGCACGCCACACCGAAAGCCTGGAGTCGCTCCTGTCC  
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 ACCTGGCCAGCACAGTCAGGAGCCTGGGGGAGACCCAGCTGGCGCTGTCCAGCGACTTGAAGGAGCTGAA  
 GCAGAGCCTGGGTGAGCTGCCCGTACCGTGGAGTCACTGCAGGAGCAAGTGTCTCACTGCTCAGCCAG  
 GACCAAGCCAGGCCGAGGGCTTGCCCTCCTCAGGACTTCTGGACAGACTGTCTCTCTAGACAACCTGA  
 AATCCTCAGTGAGCCAAGTGGAGTCAAGTGAATGCTCAGGACTGCCGTGGACAGTTTGGTGGCCTA  
 TTCGTCAAATCGAAACGAATGAGAATAACTTAGAGTCAAGGAGGCTTGGTGGATGACTGCGGAAC  
 GACCTGGATAGGTTGTTTCTGAAAGTTGAGAAGATCCATGAAAAGATC

**CTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATTACAAGGATGACGACG  
 ATAAGGTTTAA**

**Protein Sequence:**

>MR215622 representing NM\_175451  
 Red=Cloning site Green=Tags(s)

MPSAKQRGSKGGHGAASPSDKGAHPSGGADDVAKKPPAAPQPQPPAPHPQHPQNAHRGGHRGRSSAA  
 TANASSASCSRRLLGRVNLFLFYLSLVAAAAFSGWYVHHVLEEVQVRRGHQDFSRQRDELQGLQGVQK  
 VQSLQATFGTFESLLRNSQHKQDLTEKAVKEGESELNRISEVLQKLQNEILKDLSDGIHVVKDARERDFT  
 SLENTVEERLTELTKSINDNIAIFTDVQKRSQKEINEVKMKVASLEESKGDERSQDVKTLKDAVKEVQASM  
 MSRERDIEALKSSLQTMESDVYEVREL VSLKQEQQAFKQAADSERLALQALTEKLLRXEESSSLPEP  
 IRRLEELQQLKVGAGHSEEGAVFKDSKALEELQRQIEGLGARLQYVEDGVYSMQVASARHTESLESLLS  
 KSQEYEQRLAMLQEHVGNLGSDDLASTVRSLETQLALSSDLKELKQSLGELPGTVEQLQVLSLLSQ  
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 DLDRLFVKVEKIHEKI

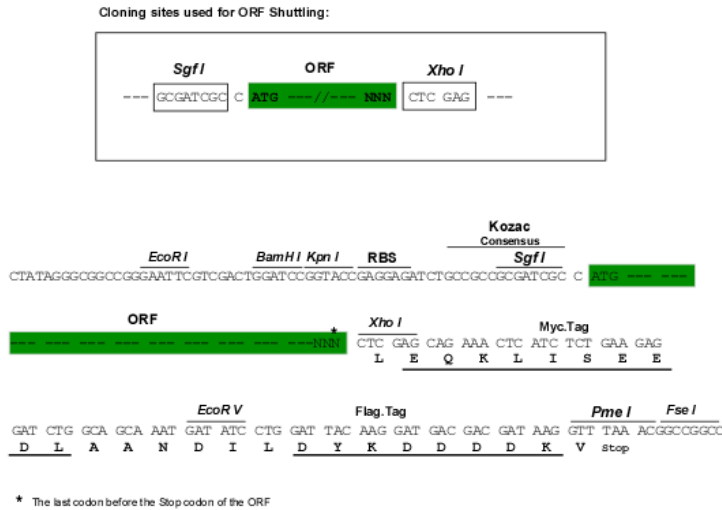
**LEQKLISEEDLAANDILDYKDDDDKV**

**Chromatograms:**

[https://cdn.origene.com/chromatograms/mm9015\\_a04.zip](https://cdn.origene.com/chromatograms/mm9015_a04.zip)

**Restriction Sites:**

Sgfl-XhoI

**Cloning Scheme:**


**ACCN:** NM\_175451

**ORF Size:** 1728 bp

**OTI Disclaimer:** Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at [custsupport@origene.com](mailto:custsupport@origene.com) or by calling 301.340.3188 option 3 for pricing and delivery.

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](#)

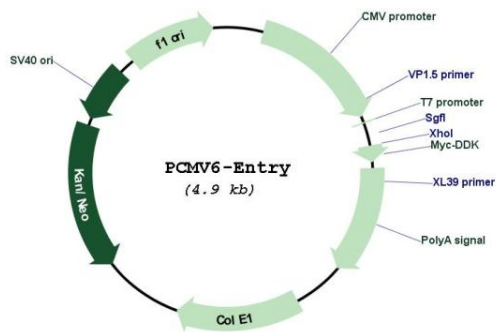
**OTI Annotation:** This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

**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\\_175451.1, NP\\_780660.1](#)  
 RefSeq Size: 2915 bp  
 RefSeq ORF: 1728 bp  
 Locus ID: 216197  
 UniProt ID: [Q8BMK4](#)  
 Cytogenetics: 10 C1  
 MW: 64.1 kDa  
 Gene Summary: High-affinity epithelial cell surface receptor for APF.[UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for MR215622