

## Product datasheet for **MG215622**

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

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Ckap4 (NM_175451) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Ckap4
Synonyms:	5630400A09Rik; CLIMP-63; P63
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

**ORF Nucleotide Sequence:**

>MG215622 representing NM\_175451  
 Red=Cloning site Blue=ORF Green=Tags(s)

CTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGCCCTCGGCCAAACAAAGGGCTCCAAGGGCGGCCACGGCCCGCAGCCCTCGGACAAGGGCGCCC  
 ACCCGTCGGGCGCGCGGATGACGTGGCGAAGAAGCCCGCGCGCGCCGAGCAGCCGAGCCTCCCGC  
 GCCGACCCCGCCGAGCACCCGCAAGAACCAGGCGCACCGGGCGGCCACCGCGGCCGGTCTCAGCCGC  
 ACCGCCAACCGTCTCCGCTCTGCTCGCGCAGGCTTGGCCGGGTGCTCAACTTTCTTCTACCTCT  
 CCCTGGTGGCGCGGCCCTTCTCGGGCTGGTATGTCCATCACGTCTGGAGGAGTCCAGCAGGTCCG  
 GCGTGGCCACCAGGACTTCTCCCGTCAGAGGGATGAGCTGGGCCAGGGCTTCAGGGCGTCGAGCAGAAG  
 GTCCAATCCCTGCAAGCCACATTTGGGACTTTCGAGTCCCTCTGAGAACTCCCAGCATAAACAGGATC  
 TCACAGAGAAAGCCGTGAAGGAAGGGGAGAGCGAGCTCAACCGAATTAGCGAAGTTCTACAGAAGTTGCA  
 GAATGAGATTCTCAAAGATCTGTCGGACGGGATCCACGTGGTGAAGGATGCCCGGAGCGGGACTTCAGG  
 TCCTTGAGAAACACAGTCGAGGAGCGCCTGACGGAGCTTACCAAGTCTATCAATGACAACATCGCCATCT  
 TCACTGATGTCCAGAAGAGGAGCCAGAAGGAGATCAATGAGGTCAAGATGAAGGTGGCCTCCCTGGAAGA  
 ATCCAAGGGGATCGCAGTCAGGACGTGAAAATCTGAAGGACGCCGTGAAGGAGTCCAGGCCTCCATG  
 ATGTCGAGGGAGAGGGACATTGAGGCCCTGAAGAGTTCCTTTCAGACGATGGAGTCCGACGTCTACACAG  
 AGGTGCGGGAAGTGGTGAAGCCTCAAGCAGGAGCAACAGGCGTTCAAGCAGGCGGCCGACTCAGAGCGCT  
 GGCTCTGACGGCCCTCACGGAGAAGCTTCTGCGGTCCGAGGAGTCTCTCTCGTCTCCAGAGGACATC  
 CGGAGACTGGAGGAAGAGCTACAGCAGCTGAAGGTGAGGCGAGATTGAGGGCTGGGTGCCAGGCTCCAGTATGTA  
 AAGACTCAAAGCCTTAGAGGAAGTGCAGAGGAGTTCAGGGCTGGGTGCCAGGCTCCAGTATGTA  
 GGACGGGGTCTACTCAATGCAGGTGGCTTCTGCACGCCACACCGAAAGCCTGGAGTCGCTCCTGTCCAAG  
 AGCCAGGAGTACGAGCAACGCCTGGCTATGCTGCAGGAGCACGTGGGAAACCTGGGCTCCTCATCTGACC  
 TGGCCAGCACAGTCAGGAGCCTGGGGGAGACCCAGCTGGCGCTGTCCAGCGACTTGAAGGAGCTGAAGCA  
 GAGCCTGGGTGAGCTGCCCGGTACCGTGGAGTCACTGCAGGAGCAAGTGTCTCACTGCTCAGCCAGGAC  
 CAAGCCCAGGCCGAGGGCTTGCCTCCTCAGGACTTCTGGACAGACTGCTCTCTAGACAACTGAAAT  
 CCTCAGTGAAGTGGAGTCAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGT  
 CGTCAAATCGAAACGAATGAGAATAACTTAGAGTCAGCCAAGGGCTTGTGGATGACCTGCGGAACGAC  
 CTGGATAGTTGTTTCTGAAAGTTGAGAAGATCCATGAAAAGATC

**CTCGAG** - GFP Tag - GTTTAA

**Protein Sequence:**

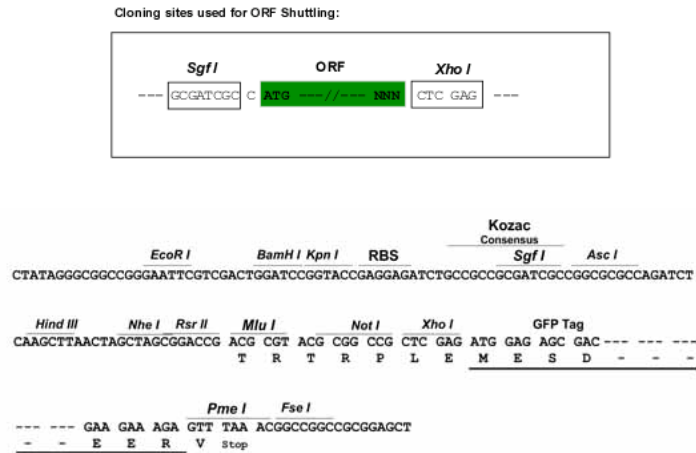
>MG215622 representing NM\_175451  
 Red=Cloning site Green=Tags(s)

MPSAKQRGSKGGHGAASPSDKGAHPSGGADDVAKKPPAAPQQPQPPAPHPQHPQNHQAHRGHGRSSAA  
 TANASSASCSRRLLGRVLNLFYLSLVAAAAFSGWYVHHVLEEVQVRRGHQDFSRQRDELQQLQGVQK  
 VQSLQATFGTFESLLRNSQHKQDLTEKAVKEGESELNRISEVLQKLQNEILKDLSDGIHVVKDARERDFT  
 SLENTVEERLTELTKSINDNIAIFTDVQKRSQKEINEVKMKVASLEESKGDERSQDVKTLKDAVKEVQASM  
 MSRRERDIEALKSSLQTMESDVYEVRELVSLEKQEQAFKQAADSERLALQALTEKLLRSEESSRLLPEDI  
 RRLEEEELQQLKVGAGHSEEGAVFKDSKALEELQRQIEGLGARLQYVEDGVYSMQVASARHTESLESLLSK  
 SQEYEQRLAMLQEHVGNLGSDDLASTVRSLEGETLALSSDLKELKQSLGELPGTVESLQEVLSLLSQD  
 QAQAELPPQDFLDRLSSLDNLKSSVSQVESDLKMLRTAVDSLVAYSVKIETNENNLESAGLLDDLRLND  
 LDRLFLKVEKIHEKI

**LE** - GFP Tag - V

**Restriction Sites:**

Sgfl-XhoI

**Cloning Scheme:**


**ACCN:** NM\_175451

**ORF Size:** 1725 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](#)

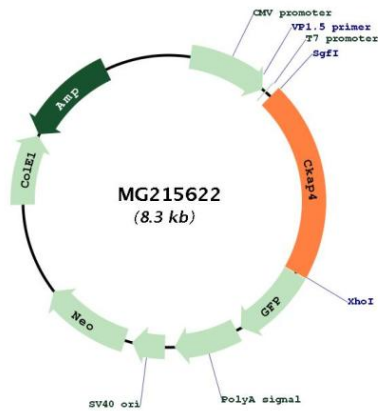
**OTI Annotation:** This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

**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  
 Gene Summary: High-affinity epithelial cell surface receptor for APF.[UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for MG215622