

Product datasheet for **RG210270**

CKAP4 (NM_006825) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CKAP4 (NM_006825) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	CKAP4
Synonyms:	CLIMP-63; CLIMP63; ERGIC-63; p63
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG210270 representing NM_006825
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCCCTCGGCCAAACAAAGGGCTCCAAGGGCGGCCACGGCCGCGAGCCCTCGGAGAAGGGTGCCC
 ACCCGTCGGGCGGCGCGATGACGTGGCGAAGAAGCCGCGCGCGCCGAGCAGCCGCCCGCCGCC
 CGCGCCGACCCGACGACGACCCGACGAGCAGCCGCGAACCAGGCGCACGGCAAGGGCGCCACCCG
 GGCGGGCGGCGGCGGCAAGTCTCTCTCTCTCTCCGCCTCCGCGCGCGCTGCCGCCGCCCGC
 CCTCGTCTCGGCGTCTGCTCGCGCAGGCTCGGCAGGGCGCTCAACTTTCTTTCTACCTCGCCCTGGT
 GGCGGGCGGCCGTTTCTCGGGCTGGTGCCTCCACCAGTCTGGAGGAGTCCAGCAGTCCGGCGCAGC
 CACCAGGACTTCTCCCGCAGAGGGAGGAGCTGGGCCAGGGCTTGAGGGCGTGCAGCAGAAGGTGCAGT
 CTTTGCAAGCCACATTTGAACTTTGAGTCCATCTTGAGAAGCTCCCAACATAAACAAGACCTCACAGA
 GAAAGCTGTGAAGCAAGGGGAGGTGAGGTGAGCCGATCAGCGAAGTGTGCAGAACTCCAGAATGAG
 ATTCTCAAAGACCTCTCGGATGGATCCATGTGGTGAAGGACGCCGGGAGCGGGACTTCACGTCCTGG
 AGAACACGGTGGAGGAGCGGCTGACGGAGCTACCAAAATCCATCAACGACAACATCGCCATCTTACAGA
 AGTCCAGAAGAGGAGCCAGAAGGAGATCAATGACATGAAGGCAAAGGTTGCCTCCCTGGAAGAATCTGAG
 GGAACAAGCAGGATTTGAAAGCCTTAAGGAAGCTGTGAAGGAGATACAGACCTCAGCCAAGTCCAGAG
 AGTGGGACATGGAGGCCCTGAGAAGTACCTTCAGACTATGGAGTCTGACATCTACACCGAGGTCCGCGA
 GCTGGTGAACCTCAAGCAGGAGCAGCAGGCTTCAAGGAGGCGGCCGACCGGAGCGGCTCGCCCTGCAG
 GCCCTCACGGAGAAGCTTCTCAGGTCTGAGGAGTCCGCTCTCCGCCTCCCGGAGGAGATCCGGAGACTGG
 AGGAAGAGCTCCGCCAGCTGAAAGTCCGATTTCCACGGGCGAAGGAGGACGGAGGCTTCAGACATCGGA
 AGCCTTTGAGGCACTCCAGCAAAAGAGTCAAGGACTGGACTCCAGGCTCCAGCAGTGGAGGATGGGGTG
 CTCTCCATGCAGGTGGTCTGCGCGCCAGACCGAGAGCCTGGAGTCCCTCTGTCCAAGAGCCAGGAGC
 ACGAGCAGCGCTGGCCGCCCTGCAGGGGCGCCTGGAAGGCTCGGGTCTCAGAGGCAGACCAGGATGG
 CCTGGCCAGCACGGTGGAGGCTGGGCGAGACCCAGTGGTGTCTACGGTGCAGTGGAGGAGCTGAAG
 AGGAGTGTGGGCGAGCTCCCAGCACCGTGAATCACTCCAGAAGGTGCAGGAGCAGGTGCACACGCTGC
 TCAGTCAGGACCAAGCCAGGCCCGCTCTGCCTCTCAGGACTTCTGGACAGACTTTCTTCTAGA
 CAACCTGAAAGCCTCAGTCAGCCAAGTGGAGGCGGACTGAAAATGCTCAGGACTGCTGTGGACAGTTTG
 GTTGCACTCGGTCAAATAGAAACCAACGAGAACAATCTGGAATCAGCCAAGGGTTTACTAGATGACC
 TGAGGAATGATCTGGATAGGTTGTTTGTGAAAGTGGAGAAGATCACGAAAAGGTC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG210270 representing NM_006825
 Red=Cloning site Green=Tags(s)

MPSAKQRGSKGGHGAASPSEKGAHPSGGADDVAKKPPAPQQPPPPAPHPQQHPQHPQNAHGKGGHR
 GGGGGGKSSSSSSASAAAAAASSSASCRRRLGRALNFLFYLAALVAAAAFSGWCVHHVLEEVQVRRS
 HQDFSRRQREELGQGLQGVQKQVSLQATFGTFESILRSSQHKQDLTEKAVKQGESEVSRISEVLQKLQNE
 ILKDLSDGIHVVKDARERDFTSLENTVEERLTELTKSINDNIAIFTEVQKRSQKEINDMKAKVASLEESE
 GNKQDLKALKEAVKEIQTSAKSREWDMEALRSTLQTMESDIYTEVRELVSLKQEQQAFKEAADTERLALQ
 ALTEKLLRSEESVSRLEPEIRRELEELRQLKSDSHGPKEDGGFRHSEAFEALQQKSOGLDSRLQHVEDGV
 LSMQVASARQTESLESLLSKSQEHEQRLAALQGRLEGLSSEADQDGLASTVRSLETQLVLYGDVEELK
 RSVGELPSTVESLQKQVQVHTLLSQDQAQAARLPPQDFLDRLSSLDNLKASVSQVEADLKMLRTAVDSL
 VAYSVKIETNENNLESAGLLDDLRLDRLFVKVEKIHEKV

TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_006825

ORF Size: 1806 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_006825.4](#)

RefSeq Size: 2913 bp

RefSeq ORF: 1809 bp

Locus ID: 10970

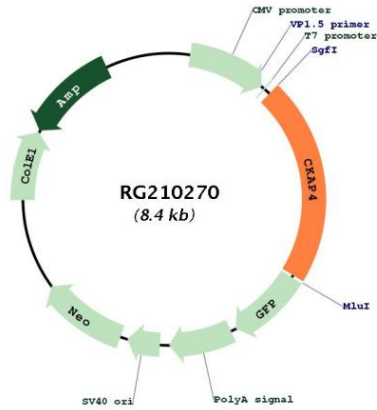
UniProt ID: [Q07065](#)

Cytogenetics: 12q23.3

Protein Families: Druggable Genome, Transmembrane

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

Product images:



Circular map for RG210270