

Product datasheet for RC213430

CLUAP1 (NM_024793) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CLUAP1 (NM_024793) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	CLUAP1
Synonyms:	CFAP22; FAP22; IFT38
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC213430 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGCATCGCC

ATGTCTTTCCGCGACCTCCGCAATTTACAGAGATGATGAGAGCCCTGGGATACCCTCGACATATTTCTA
 TGGAAATTTCCGTACACCCAATTTGGACTTGTATCTGAAGTGCTTCTCTGGCTTGTGAAAGATATGA
 GCCCCAGACTGACATCCCGCTGACGTGGATACTGAACAGGACCGAGTTTCTTCATTAAAGCAATTGCC
 CAGTTCATGGCCACCAAGGCACATATAAACTCAACACTAAGAAGCTTTATCAAGCAGATGGGTATGCGG
 TAAAAGAGCTGTGAAGATCACATCTGCTTTATAATGCTATGAAGACCAAGGGGATGGAGGGCTCTGA
 AATAGTAGAGGAAGATGTCAACAAGTTCAAGTTTGATCTTGGCTCAAAGATTGCAGATTTGAAGGCAGCC
 AGGCAGCTTGCCTCTGAAATCACCTCCAAAGGAGCATCTCTGTATGACTTGCTCGGCATGGAAGTAGAGT
 TGAGGGAAATGAGAACAGAAGCCATTGCCAGACCTCTGGAATAAACGAGACTGAAAAGTGATGAGAAT
 TGCAATAAAGAGATTTTGACACAGGTTTCAAGAGCTAAAGACCTGCTCAATAATGTGGCCTCTGATGAA
 GCTAATTTAGAAGCCAAATCGAAAAGAGAAAATTAGAACTGGAAAGAAATCGGAAGCGACTAGAGACTC
 TGCAGAGTGTGAGGCCATGTTTTATGGATGAGTATGAGAAGACTGAGGAAGAATTACAAAAGCAGTATGA
 CACTTATCTGGAGAAATTTCAAAATCTGACTTATCTGGAACAACAGCTTGAAGACCATCATAGGATGGAG
 CAAGAAAGGTTTGAGGAAGCTAAAAACACTCTCTGCCTGATACAGAACAAGCTCAAGGAGGAAGAGAAGC
 GCCTGCTCAAGAGTGGAAGTAACGATGACTCGGACATAGACATCCAGGAGGACGATGAATCCGACAGTGA
 GTTGGAAGAAAGGCGGCTGCCAAGCCACAGACAGCCATGGAGATGCTCATGCAAGGAAGACCTGGCAAA
 CGCATTGTGGGACGATGCAAGGTGGAGACTCCGATGACAATGAGGACTCGGAGGAGAGTGAAATTGACA
 TGAAGATGATGATGACGAGGATGACGATTTGGAAGACGAGAGCATTTCTCTCTACCAACCAAGCCCAA
 TCGAAGGGTCTGGAATCTGAACCCCTGGATGAGAGTGACAATGACTTC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA


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Protein Sequence: >RC213430 protein sequence
 Red=Cloning site Green=Tags(s)

MSFRDLRNFTMMRALGYPRHISMENFRTPNFGLVSEVLLWLVKRYEPQTDIPPDVDTEQDRVFFIKAIA
 QFMATKAHIKLNKKLYQADGYAVKELLKITSVLNAMKTGMESIEVEDVNKFKFDLGSKIADLKAA
 RQLASEITSKGASLYDLLGMEVELREMRTEAIARPLEINETEKVMRIAIKEILTQVQKTKDLLNNVASDE
 ANLEAKIEKRKLELERNRKRLETQSVRPCFMDEYEKTEEELQKQYDTYLEKFQNLTYLEQQLDHRME
 QERFEEAKNTLCIIQNKLEKEEKRLKSGSNDDSDIDIQEDDESSELEERRLPKPQTAMEMLMQGRPGK
 RIVGTMQGGSDSDNEDSESEIDMEDDDDDDDLEDESISLSPKPNRRVWKSEPLDESNDNF

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6310_f05.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_024793

ORF Size: 1239 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq Size: 3616 bp

RefSeq ORF: 744 bp

Locus ID: 23059

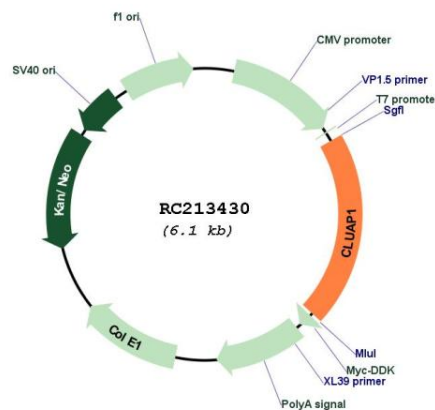
UniProt ID: [Q96AJ1](#)

Cytogenetics: 16p13.3

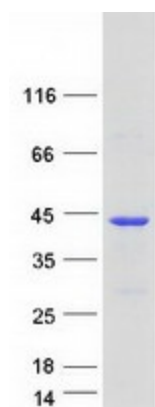
MW: 48.2 kDa

Gene Summary: The protein encoded by this gene contains a single coiled-coil region. Alternative splicing results in multiple transcript variants and protein isoforms. [provided by RefSeq, Jul 2012]

Product images:



Circular map for RC213430



Coomassie blue staining of purified CLUAP1 protein (Cat# [TP313430]). The protein was produced from HEK293T cells transfected with CLUAP1 cDNA clone (Cat# RC213430) using MegaTran 2.0 (Cat# [TT210002]).