

## Product datasheet for **RC233071**

### CFAP94 (NM\_001204102) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	CFAP94 (NM_001204102) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	CFAP94
Synonyms:	CASC1; LAS1; PPP1R54
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

ORF Nucleotide  
Sequence:

>RC233071 representing NM\_001204102  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCCGCGATCGCC

ATGGAAAGGCTTGAAATACAGCGAATTGAGAAAGAAAAATGGCATCGACTTGAAGCAAAGATCTAGAAA  
GGAGAAATGAAGAACTTGAAGAACTTTATTATTAGAGAGGTGTTTTCTGAAGCAGAGAAATTGAAACA  
GGAAACTAAATTGCTTTCTCAGTGAAGCACTACATTCAATGTGATGGGAGTCCCTGATCCTTCAGTAGCC  
CAAGAAATGAACACGTTTATTAGTTTGTGGAAAGAGAAAACAAATGAGACTTTTGAGGAAGTGATTGAGA  
AGAGTAAAGTAGTGCTAAATTAATTGAGAAATGAAATTTATTTACTGGAACTCCACCATGTGATTT  
GCAAGATAAAAAATAATACAGTACCAAGAATCAATACTACAACGCAGGAGCTCCTTCATCTTAAATTC  
GGTGTAGCCACAGAAATACTTCTCAAACAAGCTAGTACTTTGGCAGATCTGGACAGTGGAATATGGAAA  
AAGTCATTAAGATGAAAATGTTACTCTGTATGTGTGGGCAAACCTCAAGAAGAATCCAAGGCACAGAAG  
TGTTAGATTCTCTGAAACACAAATTGGATTTGAGATTCCAAGGATATTAGCAACAAGTGACATTGCTGTA  
CGACTCCTGCATACCCACTATGATCATGTTTCTGCACTGCACCCTGTTTCAACACCATCAAAAAGAATA  
CTTCTGCAGTAACTGAGCTTGTCAAAGATGATGTTAAGAATGTAGAAAAAGCAATCAGCAAGGAGGTGCA  
AGAAGAGTCCAAACAACAAGAAAGAGGGTCTCACTTAATTCAGGAGGAAGAAATAAAAGTTGAGGAGGAA  
CAAGGTGATATTGAAGTGAAGTGAAGTCTGCTGAGGAAGAATCTGAAGCCATAAAATGTGAACGAGAGA  
TGAAAGTATTAAGTGAAGTGTTCAGCAGCACAGTGTGTGCTGGTAGAGAATCTTCTGAAAAGCCAGA  
TTTCTTTGAAGACAATGTGGTGGATTTATGCCAGTTCACAACCTCTGGGTGGAGTATACCATTGGATATT  
TTGGAGCTTCTCCACAGTGTAAACCAGTGAAGGGATGGATGATTGTGGAATACTCAAAGAAGGATTAC  
AGAAATACACATATCCTCCGAAACTACAGAAGAGTTTGAGACAGAAAAATGCTTTCCACCTATAGAGGT  
CACACTTGAGGTTTCATGAGAATGTAATCTTTTTTGAGGATCCTGTGGTTGTAAGGTGGGATGCTGAAGGT  
AAACATTGGAGAAGTGTGGCATCAGCAATGTATCCTACAACCAAAAAGAAAGACTTGTAACATTAGCC  
TGGACACCTTTGGCCCTGTACCTTGATTCAAGATGCTCATATTAACATGCCGTACCAGTCATGGGAACT  
AAGACCACTTGATGTAATAAAGTACTTTTAACTGTGACTACAGTATTTACTGAGATTCAAATACAAATT  
AAGGAAAACCTCTGCATGTTATCTTCAATCAAACAAAAGACAAGAAACACATCTCTATTTTGAAGGAA  
CCTGGATGACTCCTATTCCTTTTATTGCTTTGAAAGAAGCTGGACTGAATATCTTCTACTAGACA  
CTCTCATTTTTATGTTATTATAAACAATAAGGTTCTTTGGTAGAAGTGAAGCTTATCGACAGATGGCC  
CTACTAAGTTCTGCTTTTGCATTTGGTTGGAGCAAGTGGAACTACTATGTAATTCTACAAAAGTCTGAT  
TTAAGGTGAGGGAACACCTTACTGAAGAATGACTGAGAATCCTAATGGGCCCTTTAATGTTTAGTGG  
TGACAGAGCACAAGACTGAAGATCAAGGAAGAGAGTGAGGCATTTTCTGAAGCACTTAAAGAAGAACT  
GAGTTTCACTTCTACTTTATACATGGTGAAGGATTTTCTTCTGAGGAAGCAATGGAGAAAGTCAGGA  
GTTCCAACGTGAGTTGTCAACTCTGTGTGCCACATGCTGCTCTACCAGATTGCTCAGTACTCC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

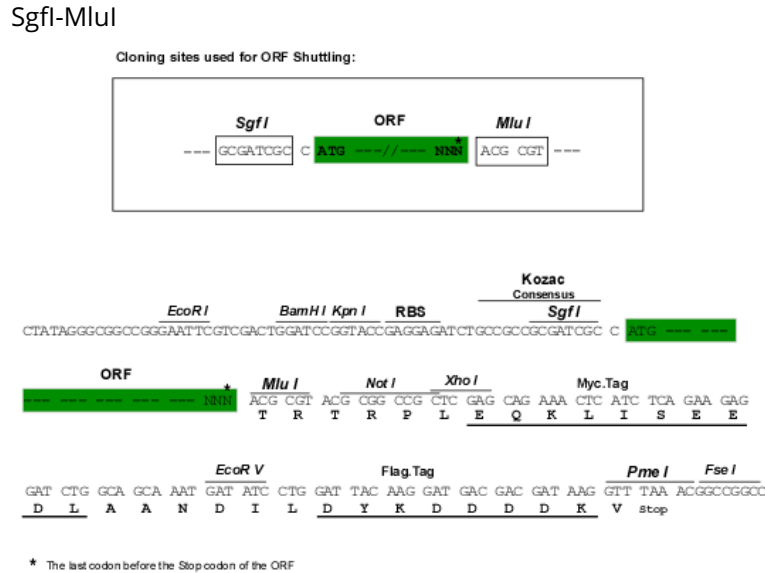
**Protein Sequence:** >RC233071 representing NM\_001204102  
 Red=Cloning site Green=Tags(s)

MERLEIQRIEKEKWHRLEAKDLERRNEELEELYLLERCFPPEAEKQETKLLSQWKHYIQCDGSPDPSVA  
 QEMNTFISLWKEKTNETFEEVIEKSKVVLNLEIKLKFILLETPPCDLQDKNI IQYQESILQLQELLHLKF  
 GVATEILLKQASTLADLDSGNMEKVIKDENTLYVWANLKKNPRHRSVRFSETQIGFEIPRILATSDIAV  
 RLLHHTHYDHSVLSALHPVSTPSKEYTSVATELVKDDVKNVEKAISKEVEEESKQQERGSHLIQEEEEIKVEEE  
 QGDI EVKMSSAEESEAIK CEREMKVLSETVSAQ LLLVENSSEKPDF FEDNVVDLCQFTTLGGVYHLDI  
 LELPPQCKPVKGMIVELKEGLQKYTYPPETTEEFETENAFPIEVTLEVHENVIFFEDPVVVRWDAEG  
 KHWRDGI SNVSYKPKERLVTFSLDTFGPVTLIQDAHINMPYQSWELRPLDVNKVLLTVTTVFTEIQIQI  
 KENL CMLSSIKLKDKKHISILEGTWMTPIPFIIALKEAGLNIFPTRSHFYVIINNKVPLVEVKAYRQMA  
 LLSSAFAGWSKWNLLCNSTKVVFKVREHLTEECTENPNWALLMFSGDRAQR LKIKEESEAFSEALKEET  
 EFHSTLYHMKDFASEEAMEKVRSSNCQFVNSVCHMLLSTRLLSYS

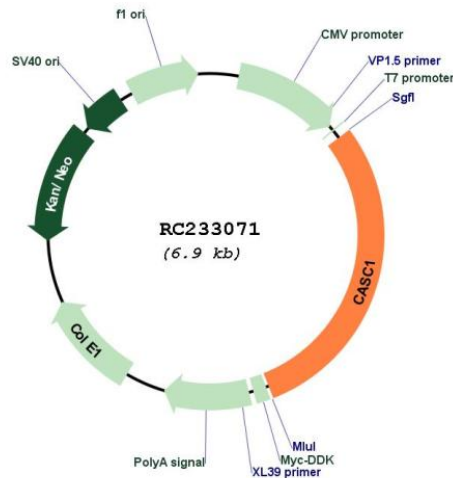
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

**Cloning Scheme:**



## Plasmid Map:



ACCN: NM\_001204102

ORF Size: 2028 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\\_001204102.2](#)

RefSeq Size: 2550 bp

RefSeq ORF: 2031 bp

Locus ID: 55259

UniProt ID: [Q6TDU7](#)

Cytogenetics: 12p12.1

MW: 78.8 kDa

**Gene Summary:** Via its association with the multisubunit axonemal dynein complex, is potentially involved in the regulation of cilia function. May also act as a cell cycle regulator.[UniProtKB/Swiss-Prot Function]