

## Product datasheet for **SC318202**

### CFAP94 (NM\_018272) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	CFAP94 (NM_018272) Human Untagged Clone
Tag:	Tag Free
Symbol:	CFAP94
Synonyms:	CASC1; LAS1; PPP1R54
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >NCBI ORF sequence for NM\_018272, the custom clone sequence may differ by one or more nucleotides

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ATGGGTCCCAAGCAAAAAGTCTGGCAGTAAGAAAAAGAAAGTCACCAAAGCTGAACGATTGAAGCTGC
TACAAGAGGAGGAGGAGAGACGACTGAAAGAGGAAGAGGAAGCCCGTTTGAATATGAGAAAGAAGAAAT
GGAAAGGCTTGAATACAGCGAATTGAGAAAGAAAAATGGCATCGACTTGAAGCAAAAGATCTAGAAAGG
AGAAATGAAGAACTTGAAGAACTTTATTTATTAGAGAGGTGTTTTCTGAAGCAGAGAAATGAAACAGG
AAACTAAATTGCTTTCTCAGTGGAAAGCACTACATTCAATGTGATGGGAGTCTGTATCCTTCAGTAGCCCA
AGAAATGAACACGTTTATTAGTTTGTGGAAAGAGAAAAACAAATGAGACTTTTGGGAAAGTATTGAGAAG
AGTAAAGTAGTGCTAAATTTAATTGAGAAATTGAAATTTATTTACTGGAACTCCACCATTGTGATTTGC
AAGATAAAAATAAATACAGTACCAAGAATCAATACTACAAGTGCAGGAGCTCCTTCATCTTAAATTCGG
TGTAGCCACAGAAATACTTCTCAAACAAGCTAGTACTTTGGCAGATCTGGACAGTGGAAATATGGAAAA
GTCATTAAGATGAAATGTTACTCTGTATGTGTGGGCAACCTCAAGAAGAATCCAAGGCACAGAAGTG
TTAGATTTCTGAAACACAAATTGGATTTGAGATTCCAAGGATATTAGCAACAAGTGACATTGCTGTACG
ACTCCTGCATACCCACTATGATCATGTTTCTGCACTGCACCCTGTTTCAACACCATCAAAAAGAAATCACT
TCTGCAGTAACTGAGCTTGTCAAAGATGATGTTAAGAATGTAGAAAAAGCAATCAGCAAGGAGGTGGAAG
AAGAGTCCAAACAACAAGAAAGAGGGTCTCACTTAATTCAGGAGGAAGAAATAAAAGTTGAGGAGGAACA
AGGTGATATTGAAGTGAAGTGAAGTTCTGCTGAGGAAGAATCTGAAGCCATAAAATGTGAACGAGAGATG
AAAGTATTAAGTGAAGTGTTCAGCAGCACAGTTGTTGCTGGTAGAGAATCTTCTGAAAAGCCAGATT
TCTTTGAAGACAATGTGGTGGATTTATGCCAGTTCACAACCTCTGGGTGGAGTATACCACTGGATATTTT
GGAGCTTCTCCACAGTGTAAACCAGTGAAGGGATGGATGATTGTGGAATACTCAAAGAAGGATTACAG
AAATACACATATCCTCCGAAACTACAGAAGATTTGAGACAGAAAATGCTTTCCACCTATAGAGGTCA
CACTTGAGGTTTCATGAGAATGTAATCTTTTTTGAGGATCCTGTGTTGTAAAGTGGGATGCTGAAGGTAA
ACATTGGAGAAGTATGGCATCAGCAATGTATCCTACAAACCAAAAAGAAAGACTTGAACATTACGCCTG
GACACCTTTGGCCCTGTTACCTTGATTCAAGATGCTCATATTAACATGCCGTACCAGTCAATGGAACTAA
GACCACTTGATGTAATAAAGTACTTTTAACTGTGACTACAGTATTTACTGAGATTCAAATACAAATTA
GGAAAACCTCTGCATGTTATCTCAATCAAACAAAAGACAAGAAACACATCTCTATTTTGGAAAGGAACC
TGGATGACTCCTATTCTTTTATTATTGCTTTGAAAGAAGCTGGACTGAATATCTTTCTACTAGACACT
CTCATTTTTATGTTATTATAACAATAAGGTTCCCTTTGGTAGAAGTGAAGCTTATCGACAGATGGCCCT
ACTAAGTTCTGCTTTTGCATTTGGTTGGAGCAAGTGAACCTACTATGTAATTCTACAAAAGTCGATTT
AAGGTGAGGGAACACCTTACTGAAGAATGACTGAGAATCCTAATTGGGCCCTTTAATGTTTAGTGGT
ACAGAGCACAAAGACTGAAGATCAAGGAAGAGAGTGAGGCATTTTCTGAAGCACTTAAAGAAGAACTGA
GTTTCATTCTACTTTATATCACATGGTGAAGGATTTTGCTTCTGAGGAAGCAATGGAGAAAGTCAGGAGT
TCCAACGTCAAGTTGTCAACTCTGTGTGCCACATGCTGCTCTCTACCAGATTGCTCAGCTACTCTAA
    
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**Restriction Sites:** Please inquire

**ACCN:** NM\_018272

**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 TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

**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\\_018272.3](#), [NP\\_060742.3](#)

**RefSeq Size:** 2523 bp

**RefSeq ORF:** 2169 bp

**Locus ID:** 55259

**UniProt ID:** [Q6TDU7](#)

**Cytogenetics:** 12p12.1

**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]

Transcript Variant: This variant (1) encodes the longest isoform (a).