

Product datasheet for **RG223815**

CFAP94 (NM_018272) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	CFAP94
Synonyms:	CASC1; LAS1; PP1R54
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence: >RG223815 representing NM_018272
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGGGTCCTCCAAAGCAAAAAGTCTGGCAGTAAGAAAAAGAAAGTCACCAAGCTGAACGATTGAAGCTGC
 TACAAGAGGAGGAGGAGAGACGACTGAAAGAGGAAGAGGAAGCCCGTTTGAAATATGAGAAAGAAAGAAAT
 GGAAAGGCTTGAAATACAGCGAATTGAGAAAGAAAAATGGCATCGACTTGAAGCAAAAGATCTAGAAAGG
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 AGAAATGAACACGTTTATTAGTTTGGAAGAGAAAAACAATGAGACTTTTGAGGAAGTATTGAGAAG
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 ACTCCTGCATACCCACTATGATCATGTTTCTGCACTGCACCCTGTTTCAACACCATCAAAAGAATACACT
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 TCTTTGAAGACAATGTGGTGGATTATGCCAGTTCACAAGTCTGGTGGAGTATACCACTTGGATATTTT
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 AAATACACATATCCTCCGAAACTACAGAAGAGTTGAGACAGAAAATGCTTTCCACCTATAGAGGTCA
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 GACACCTTTGGCCCTGTTACCTTGATTCAAGATGCTCATATTAACATGCCGTACCAAGTCAAGGAACTAA
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 ACAGAGCACAAAGACTGAAGATCAAGGAAGAGAGTGAAGCATTCTTGAAGCACTTAAGAAGAACTGA
 GTTTCATTCTACTTTATATCAGATGGTGAAGGATTTTGTCTTCTGAGGAAGCAATGGAGAAAGTCAAGGAGT
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ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

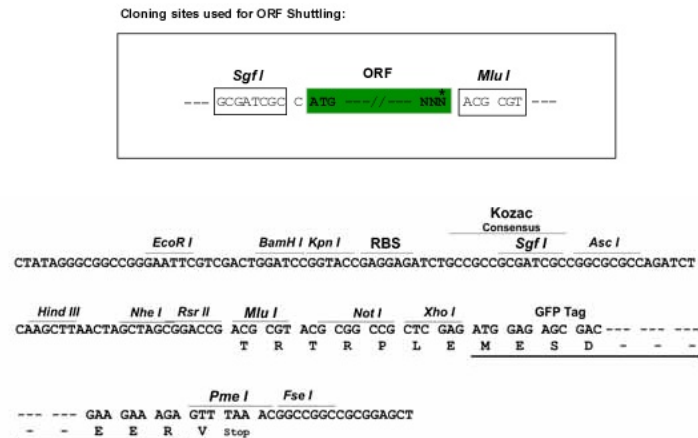
Protein Sequence: >RG223815 representing NM_018272
 Red=Cloning site Green=Tags(s)

MGPKAKKSGSKKKKVTKAERLKLQEEEEERLKEEEEEARLKYEEKEEMERLEIQRIEKEKWHRLKADLER
 RNEELEELYLLERCFPEAEKLKQETKLLSQWKHYIQCDGSPDPSVAQEMNTFISLWKEKTNETFEEVIEK
 SKVVLNLIIEKLKFIETPPCDLQDKNIQYQESILQLQELLHLKFGVATEILLKQASTLADLDSNMEK
 VIKDENVTLYVWANLKKNPRHRSVRFSETQIGFEIPRILATSDIAVRLHHTHYDHSALHPVSTPSKEYT
 SAVTELVKDDVKNVEKAISKEVEEESKQQERGSHLIQEEEIKVEEEQGDIEVKMSSAESEAIKICEREM
 KVLSETVSAQQLLVENSSEKPDFEDNVVDLCQFTTLGGVYHLDILELPPQCKPVKGWMIIVEILKEGLQ
 KYTYPPEETEEFETENAFPIIEVTLEVHENVIFEDPVVVRWDAEGKHWRTDGISNVSYKPKERLVTFSL
 DTFGPVTLIQDAHINMPYQSWELRPLDVNKVLLTVTTVFTEIQIQUKENLMLSSIKLKDCKHISILEGT
 WMTPIPIFIIALKEAGLNIFPTRHSHFYVIINNKVPLVEVKAYRQMALSSAFAGWSKNWLLCNSTKVVF
 KVREHLTEECTENPNWALLMFGDRAQRLKIKEESEAFSEALKEETEFHSTLYHMKDFASEEAMEKVRS
 SNCQFVNSVCHMLLSTRLLSYS

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_018272

ORF Size: 2166 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 or by calling 301.340.3188 option 3 for pricing and delivery.

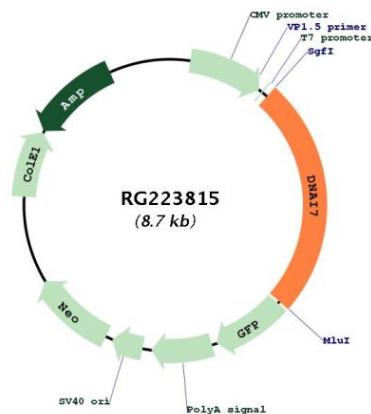
The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in 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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>NM_018272.4</u>
RefSeq Size:	2523 bp
RefSeq ORF:	2169 bp
Locus ID:	55259
UniProt ID:	<u>Q6TDU7</u>
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]

Product images:



Circular map for RG223815