

Product datasheet for **RG221275**

CFAP94 (NM_001082973) Human Tagged ORF Clone

Product data:

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|---------------------------|--|
| Product Type: | Expression Plasmids |
| Product Name: | CFAP94 (NM_001082973) Human Tagged ORF Clone |
| Tag: | TurboGFP |
| Symbol: | CFAP94 |
| Synonyms: | CASC1; LAS1; PPP1R54 |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-AC-GFP (PS100010) |
| E. coli Selection: | Ampicillin (100 ug/mL) |



[View online »](#)

**ORF Nucleotide
Sequence:**

>RG221275 representing NM_001082973
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCTGCGCAGTAAGAAAAAGAAAGTCACCAAAGCTGAACGATTGAAGCTGCTACAAGAGGAGGAGAGA
 GACGACTGAAAGAGGAAGAGGAAGCCCGTTTGAATATGAGAAAAGAAATGGAAAGGCTTGAATACA
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 TCTCAAACAAGCTAGTACTTTGGCAGATCTGGACAGTGGAAATATGGAAAAGTCATTAAGATGAAAT
 GTTACTCTGTATGTGTGGCAAACCTCAAGAAGATCCAAGGCACAGAAGTGTTAGATTCTCTGAAACAC
 AAATTGGATTTGAGATCCAAGGATATTAGCAACAAGTGACATTGCTGTACGACTCCTGCATACCCACTA
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 ATTTGGTTGGAGCAAGTGAACCTACTATGTAATTCTACAAAAGTCGATTTAAGGTGAGGGAACACCTT
 ACTGAAGAATGACTGAGAAATCCTAATTTGGGCCCTTTTAAATGTTTGTGAGTGGTACAGAGCACAAGACTGA
 AGATCAAGGAAGAGAGTGAGGCATTTTCTGAAGCACTTAAAGAAGAACTGAGTTTCATTCTACTTTATA
 TCACATGGTGAAGGATTTTGTCTCTGAGGAAGCAATGGAGAAAGTCAGGAGTTCCAAGTTCAGTTTGTG
 AACTCTGTGTGCCACATGCTGCTCTCTACCAGATTGCTCAGCTACTCC

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence: >RG221275 representing NM_001082973
 Red=Cloning site Green=Tags(s)

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MSGSKKKKVTKAERLKLQEEEEERLKEEEEARLKYEEEMERLEIQRIEKEKWHRLAKDLERRNEELE
ELYLLERCPEAEKLLKQETKLLSQWKHYIQCDGSPDPSVAQEMNTFISLWKEKTNETFEEVIEKSKVVLN
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TLIQDAHINMPYQSWELRPLDVNKVLLTVTTVFTEIQIQIKENLMLSSIKLKDKKHISILEGTMPTIP
FIIALKEAGLNIFPTRHSHFYVIINNKPVLVEVKAYRQALLSSAFAGWSKNLLCNSTKVVFKVREHL
TEECTENPNWALLMFGDRAQLRIKEESEAFSEALKEETEFHSTLYHMKDFASEEAMEKVRSSNCQFV
NSVCHMLLSTRLLSYS
  
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TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001082973

ORF Size: 2148 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_001082973.2](#)

RefSeq Size: 2505 bp

RefSeq ORF: 2151 bp

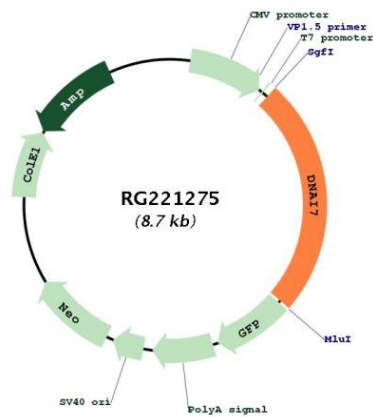
Locus ID: 55259

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]

Product images:



Circular map for RG221275