

Product datasheet for **RG213430**

CLUAP1 (NM_024793) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CLUAP1 (NM_024793) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	CLUAP1
Synonyms:	CFAP22; FAP22; IFT38
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG213430 representing NM_024793 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGC**C

ATGCTTTCCGCGACCTCCGCAATTTACAGAGATGATGAGAGCCCTGGGATACCCTCGACATATTTCTA
 TGGAAATTTCCGTACACCCAATTTGGACTTGTATCTGAAGTGCTTCTCTGGCTTGTAAGATATGA
 GCCCAGACTGACATCCCGCTGACGTGGATACTGAACAGGACCGAGTTTCTTCATTAAAGCAATTGCC
 CAGTTCATGGCCACCAAGGCACATATAAACTCAACACTAAGAAGCTTTATCAAGCAGATGGGTATGCGG
 TAAAAGAGCTGCTGAAGATCACATCTGTCTTTATAATGCTATGAAGACCAAGGGGATGGAGGGCTCTGA
 AATAGTAGAGGAAGATGTCAACAAGTTCAAGTTTGATCTTGGCTCAAAGATTGCAGATTTGAAGGCAGCC
 AGGCAGCTTGCCTCTGAAATCACCTCCAAAGGAGCATCTCTGTATGACTTGCTCGGCATGGAAGTAGAGT
 TGAGGGAAATGAGAACAGAAGCCATTGCCAGACCTCTGGAATAAACGAGACTGAAAAGTGATGAGAAT
 TGCAATAAAGAGATTTTGACACAGGTTTCAAGACTAAAGACCTGCTCAATAATGTGGCCTCTGATGAA
 GCTAATTTAGAAGCCAAATCGAAAAGAGAAAATTAGAACTGGAAGAAATCGGAAGCGACTAGAGACTC
 TGCAGAGTGTGAGGCCATGTTTTATGGATGAGTATGAGAAGACTGAGGAAGAATTACAAAAGCAGTATGA
 CACTTATCTGGAGAAATTTCAAAATCTGACTTATCTGGAACAACAGCTTGAAGACCATCATAGGATGGAG
 CAAGAAAGGTTTGAGGAAGCTAAAACTCTCTGCCTGATACAGAACAAGCTCAAGGAGGAAGAGAAGC
 GCCTGCTCAAGAGTGGAAGTAACGATGACTCGGACATAGACATCCAGGAGGACGATGAATCCGACAGTGA
 GTTGGAAGAAAGGCGGCTGCCAAGCCACAGACAGCCATGGAGATGCTCATGCAAGGAAGACCTGGCAAA
 CGCATTGTGGGACGATGCAAGGTGGAGACTCCGATGACAATGAGGACTCGGAGGAGAGTGAAATTGACA
 TGAAGATGATGATGACGAGGATGACGATTTGGAAGACGAGAGCATTTCTCTCTACCAACCAAGCCCAA
 TCGAAGGGTCTGGAAATCTGAACCCCTGGATGAGAGTGACAATGACTTC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA


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Protein Sequence: >RG213430 representing NM_024793
 Red=Cloning site Green=Tags(s)

MSFRDLRNFTMMRALGYPRHISMENFRTPNFGLVSEVLLWLKRYEPQTDIPPDVDTEQDRVFFIKAIA
 QFMATKAHIKLNKKLYQADGYAVKELLKITSVLYNAMKTKGMEGSEIVEEDVNFKFDLGSKIADLCAA
 RQLASEITSKGASLYDLLGMEVELREMRTEAIARPLEINETEKVMRIAIKEILTQVQKTKDLLNNVASDE
 ANLEAKIEKRKLELERNRKRLETLQSVRPCFMDEYEKTEELQKQYDTYLEKFQNLTYLEQQLEDHHRME
 QERFEEAKNTLCIIQNKLKEEEKRLLKSGSNDDSDIDIQEDDESSELEERRLPKPQTAMEMLMQGRPGK
 RIVGTMQGGSDSDNEDSESEIDMEDDDDDDDLEDESISLSPTKPNRRVWKSEPLDESNDNF

TRTRPLE – GFP Tag – V

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NM_024793

ORF Size: 741 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_024793.1](#), [NP_079069.1](#)

RefSeq Size: 2221 bp

RefSeq ORF: 744 bp

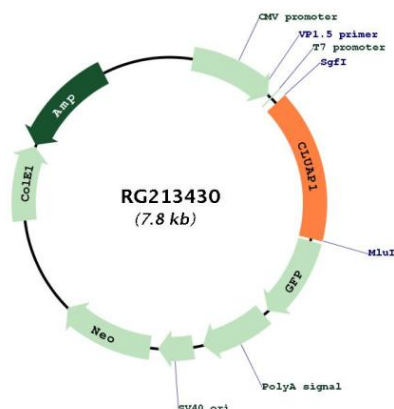
Locus ID: 23059

UniProt ID: [Q96AJ1](#)

Cytogenetics: 16p13.3

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 RG213430