

Product datasheet for **RG202262**

CLUAP1 (NM_015041) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
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: >RG202262 representing NM_015041
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCCGCATCGCC

ATGTCTTCCGCGACCTCCGCAATTCACAGAGATGATGAGAGCCCTGGGATACCCTCGACATATTTCTA
TGAAAAATTTCCGTACACCCAATTTTGGACTTGTATCTGAAGTGCTTCTCTGGCTTGTAAGGATATGA
GCCCCAGACTGACATCCCGCTGACGTGGATCTGAACAGGACCGAGTTTCTTCATTAAGGCAATTGCC
CAGTTTCATGGCCACCAAGGCACATATAAACTCAACACTAAGAAGCTTTATCAAGCAGATGGGTATGCGG
TAAAAGAGCTGCTGAAGATCACATCTGTCTTTATAATGCTATGAAGACCAAGGGGATGGAGGGCTCTGA
AATAGTAGAGGAAGATGTCAACAAGTTCAAGTTTGATCTTGCTCAAAGATTGCAGATTTGAAGGCAGCC
AGGCAGCTTGCGTCTGAAATCACCTCCAAGGAGCATCTCTGTATGACTTGCTCGGCATGGAAGTAGAGT
TGAGGGAATGAGAACAGAAGCCATTGCCAGACCTCTGGAATAAACGAGACTGAAAAAGTGATGAGAAT
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GCTAATTTAGAAGCCAAATCGAAAAGAGAAAATTAGAAGTGAAGAAATCGGAAGCGACTAGAGACTC
TGCAGAGTGTGAGCCATGTTTTATGGATGAGTATGAGAAGCTGAGGAAGAATTACAAAAGCAGTATGA
CACTTATCTGGAGAAATTTCAAATCTGACTTATCTGGAACAACAGCTTGAAGACCATCATAGGATGGAG
CAAGAAAGGTTTGAGGAAGCTAAAAACACTCTCTGCCTGATACAGAACAAGCTCAAGGAGGAAGAGAAGC
GCCTGCTCAAGAGTGGAAGTAACGATGACTCGGACATAGACATCCAGGAGGACGATGAATCCGACAGTGA
GTTGGAAGAAAGGCGGCTGCCAAGCCACAGACAGCCATGGAGATGCTCATGCAAGGAAGACCTGGCAAA
CGCATTGTGGGCACGATGCAAGGTGGAGACTCCGATGACAATGAGGACTCGGAGGAGAGTGAAATTGACA
TGGAAGATGATGATGACGAGGATGACGATTGGAAGACGAGAGCATTTCTCTCTACCAACCAAGCCAA
TCGAAGGTCGGAATCTGAACCCCTGGATGAGAGTGACAATGACTTC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



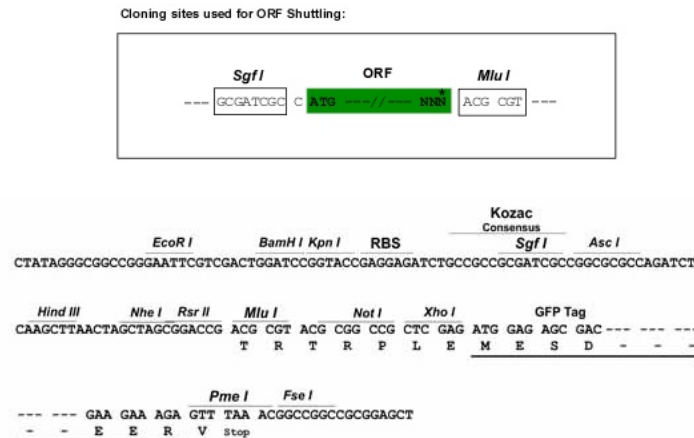
Protein Sequence: >RG202262 representing NM_015041
Red=Cloning site Green=Tags(s)

MSFRDLRNFTMMRALGYPRHISMENFRTPNFGVLVSEVLLWLVKRYEPQTDIPPDVDEQDRVFFIKAIA
QFMATKAHIKLNKKLYQADGYAVKELLKITSVLNAMKTKGMEGSEIVEEDVNKFKFDLGSKIADLKAA
RQLASEITSKGASLYDLLGMEVELREMRTAIAIARPLEINETEKVMRIAIAKEILTQVQKTKDLLNNVASDE
ANLEAKIEKRKLELERNRKRLETLSVRPCFMDEYEKTEELQKQYDTYLEKFQNLTYLEQQLEDHHRME
QERFEEAKNTLC LIQNKLKEEEKRLKSGSNDDSDIDIQEDDESSELEERRLPKPQTAMMLMQGRPGK
RIVGTMQGGSDDDNEDSESEIDMEDDDDDDDLEDESISLSPTKNRRVRKSEPLDESNDNF

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_015041

ORF Size: 1239 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_015041.3](#)

RefSeq Size: 4158 bp

RefSeq ORF: 1242 bp

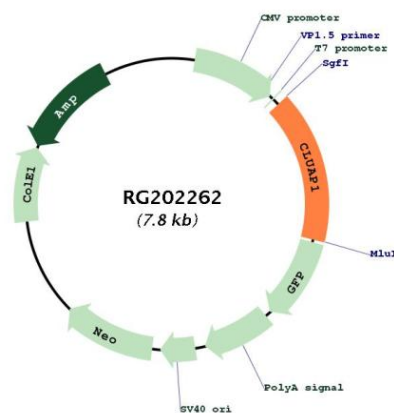
Locus ID: 23059

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 RG202262