OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for RG214798

CUL4A (NM_001008895) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CUL4A (NM_001008895) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	CUL4A
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

View online »

ORF Nucleotide Sequence:

>RG214798 representing NM_001008895
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGCGGACGAGGCCCCGCGGAAGGGCAGCTTCTCGGCGCTCGTGGGCCGCACCAACGGCCTCACCAAGC
CCGCGGCCCTGGCCGCCGCGCCCGCCAAGCCGGGGGGCGCGGGCGGCTCCAAGAAGCTGGTCATCAAGAA
CTTCCGAGACAGACCTCGGCTGCCCGACAACTACACGCAGGACACGTGGCGGAAGCTGCACGAGGCGGTG
CGGGCCGTGCAGAGCAGCACCTCCATCAGGTACAACCTCGAGGAGCTCTACCAGGCTGTGGAAAATCTCT
GTTCTCACAAAGTCTCCCCAATGCTCTACAAGCAACTGCGTCAGGCCTGTGAAGACCACGTCCAGGCACA
GATCCTTCCGTTTAGAGAAGACTCACTAGATAGTGTTTTATTTTTAAAGAAGATTAACACGTGCTGGCAG
GACCACTGCAGACAAATGATCATGATCAGAAGCATCTTCCTGTTCTTGGACCGCACCTATGTGCTGCAGA
ACTCCACGCTGCCCTCCATCTGGGATATGGGATTAGAACTGTTTAGAACCCATATTATTAGTGATAAAAT
GGTTCAGAGTAAAACCATTGATGGAATCCTACTGCTGATCGAGCGCGAGAGGAGCGGCGAGGCCGTGGAC
CGGAGCCTGTTGCGGAGCCTCCTGGGCATGCTGTCTGACCTGCAGGTGTATAAAGATTCATTTGAACTGA
AATTTTTGGAAGAGACTAATTGCTTATATGCTGCCGAAGGCCAAAGGTTAATGCAGGAAAGAGAGGTTCC
AGAATATCTTAACCATGTAAGTAAACGCTTAGAGGAAGAGGGAGACAGAGTAATCACTTACTTGGACCAC
AGCACACAGAAACCACTGATTGCTTGTGTGGAGAAACAGCTATTAGGAGAACATTTAACAGCAATTCTGC
AGAAAGGGCTCGACCACTTACTGGATGAGAACAGAGTGCCGGACCTCGCACAGATGTACCAGCTGTTCAG
CCGGGTGAGGGGCGGGCAGCAGGCGCTGCTGCAGCACTGGAGCGAGTACATCAAGACTTTTGGAACAGCG
ATCGTAATCAATCCTGAGAAAGACAAAGACATGGTCCAAGACCTGTTGGACTTCAAGGACAAGGTGGACC
ACGTGATCGAGGTCTGCTTCCAGAAGAATGAGCGGTTCGTCAACCTGATGAAGGAGTCCTTTGAGACGTT
CATCAACAAGAGACCCAACAAGCCTGCAGAACTGATCGCAAAGCATGTGGATTCAAAGTTAAGAGCAGGC
AACAAAGAAGCCACAGACGAGGAGCTGGAGCGGACGTTGGACAAGATCATGATCCTGTTCAGGTTTATCC
ACGGTAAAGATGTCTTTGAAGCATTTTATAAAAAAGATTTGGCAAAAAGACTCCTTGTTGGGAAAAGTGC
CTCAGTCGATGCTGAAAAGTCTATGTTGTCAAAGCTCAAGCATGAGTGCGGTGCAGCCTTCACCAGCAAG
CTGGAAGGCATGTTCAAGGACATGGAGCTTTCGAAGGACATCATGGTTCATTTCAAGCAGCATATGCAGA
ATCAGAGTGACTCAGGCCCTATAGACCTCACAGTGAACATACTCACAATGGGCTACTGGCCAACATACAC
GCCCATGGAAGTGCACTTAACCCCAGAAATGATTAAACTTCAGGAAGTATTTAAGGCATTTTATCTTGGA
AAGCACAGTGGTCGAAAACTTCAGTGGCAAACTACTTTGGGACATGCTGTTTTAAAAGCGGAGTTTAAAG
AAGGGAAGAAGGAATTCCAGGTGTCCCTCTTCCAGACACTGGTGCTCCTCATGTTCAACGAGGGAGATGG
CTTCAGCTTTGAGGAGATAAAAATGGCCACGGGGATAGAGGATAGTGAATTGCGCAGAACGCTGCAGTCC
CTGGCCTGTGGCAAAGCACGTGTGCTGATTAAAAGTCCCAAAGGAAAGGAAGTGGAAGATGGAGACAAGT
TCATTTTTAATGGAGAGTTCAAGCACAAGTTGTTTAGAATAAAGATCAATCAAATTCAGATGAAGGAAAC
TGTTGAGGAACAGGTTAGCACCACTGAGAGAGTGTTTCAGGATAGACAATATCAGATTGATGCTGCTATC
GTCAGAATAATGAAGATGAGAAAGACTCTTGGTCATAATCTTCTAGTTTCTGAATTATATAATCAGCTGA
AATTTCCAGTAAAGCCTGGAGATTTGAAAAAGAGAATTGAATCTCTGATAGACAGAGACTATATGGAGAG
AGACAAAGACAATCCGAATCAGTACCACTACGTGGCC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

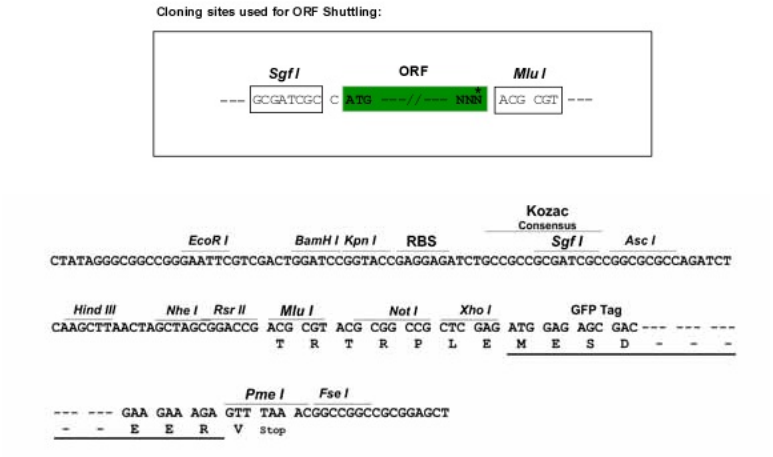
>RG214798 representing NM_001008895
Red=Cloning site Green=Tags(s)

MADEAPRKGSFSALVGRTNGLTKPAALAAAPAKPGGAGGSKKLVIKNFRDRPRLPDNYTQDTWRKLHEAV
RAVQSSTSIRYNLEELYQAVENLCSHKVSPMLYKQLRQACEDHVQAQILPFREDSLDSVLFLKKINTCWQ
DHCRQMIMIRSIFLFLDRTYVLQNSTLPSIWDMGLELFRTHIISDKMVQSKTIDGILLLIERERSGEAVD
RSLLRSLLGMLSDLQVYKDSFELKFLEETNCLYAAEGQRLMQEREVPEYLNHVSKRLEEEGDRVITYLDH
STQKPLIACVEKQLLGEHLTAILQKGLDHLLDENRVPDLAQMYQLFSRVRGGQQALLQHWSEYIKTFGTA
IVINPEKDKDMVQDLLDFKDKVDHVIEVCFQKNERFVNLMKESFETFINKRPNKPAELIAKHVDSKLRAG
NKEATDEELERTLDKIMILFRFIHGKDVFEAFYKKDLAKRLLVGKSASVDAEKSMLSKLKHECGAAFTSK
LEGMFKDMELSKDIMVHFKQHMQNQSDSGPIDLTVNILTMGYWPTYTPMEVHLTPEMIKLQEVFKAFYLG
KHSGRKLQWQTTLGHAVLKAEFKEGKKEFQVSLFQTLVLLMFNEGDGFSFEEIKMATGIEDSELRRTLQS
LACGKARVLIKSPKGKEVEDGDKFIFNGEFKHKLFRIKINQIQMKETVEEQVSTTERVFQDRQYQIDAAI
VRIMKMRKTLGHNLLVSELYNQLKFPVKPGDLKKRIESLIDRDYMERDKDNPNQYHYVA

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:

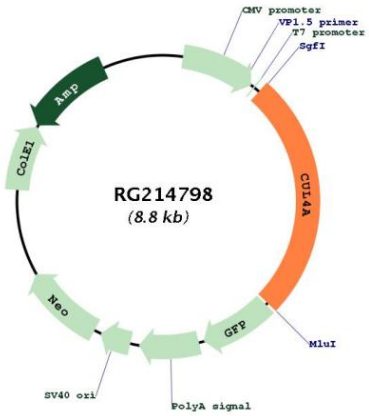


ACCN: NM_001008895

ORF Size: 2277 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.
RefSeq:	NM_001008895.4
RefSeq Size:	3797 bp
RefSeq ORF:	2280 bp
Locus ID:	8451
UniProt ID:	Q13619
Cytogenetics:	13q34
Protein Pathways:	Nucleotide excision repair, Ubiquitin mediated proteolysis
Gene Summary:	CUL4A is the ubiquitin ligase component of a multimeric complex involved in the degradation of DNA damage-response proteins (Liu et al., 2009 [PubMed 19481525]).[supplied by OMIM, Oct 2009]

Product images:



Circular map for RG214798