

Product datasheet for **RC239269**

CUL4A (NM_001278514) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CUL4A (NM_001278514) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	CUL4A
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

ORF Nucleotide Sequence:

>RC239269 representing NM_001278514
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTGCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCTCTACAAGCAACTGCGTCAGGCCTGTGAAGACCACGTCCAGGCACAGATCCTTCCGTTTAGAGAAG
 ACTCACTAGATAGTGTTTTATTTTTAAAGAAGATTAACACGTGCTGGCAGGACCACTGCAGACAAATGAT
 CATGATCAGAAGCATCTTCTGTCTTGACCGCACCTATGTGCTGCAGAACTCCACGCTGCCCTCCATC
 TGTCTGTTTCTTACTGTCTATACAGGGATATGGGATTAGAAGTGTTTAGAACCATATTATTAGTGATA
 AAATGGTTCAGAGTAAAACCACTTATGGAATCCTACTGCTGATCGAGCGGAGAGGAGCGCGAGGCCGT
 GGACCGGAGCCTGTTGCGGAGCCTCCTGGGCATGCTGTCTGACCTGCAGGTGTATAAAGATTCATTTGAA
 CTGAAATTTTTGGAAGAGACTAATTGCTTATATGCTGCCGAAGGCCAAAGGTTAATGCAGGAAAGAGAGG
 TTCCAGAATATCTTAACCATGTAAGTAAACGCTTAGAGGAAGAGGGAGACAGAGTAATCACTTACTTGGA
 CCACAGCACACAGAAACCACTGATTGCTTGTGTGGAGAAACAGCTATTAGGAGAACATTTAACAGCAATT
 CTGCAGAAAGGGCTCGACCACTTACTGGATGAGAACAGAGTGCCGGACCTCGCACAGATGTACCAGCTGT
 TCAGCCGGGTGAGGGGCGGGCAGCAGGCCTGCTGCAGCACTGGAGCGAGTACATCAAGACTTTTGGAAAC
 AGCGATCGTAATCAATCCTGAGAAAGACAAAGACATGGTCCAAGACCTGTTGGACTTCAAGGACAAGGTG
 GACCACGTGATCGAGGTCTGCTTCCAGAAGAATGAGCGGTTTCGTCAACCTGATGAAGGAGTCCTTTGAGA
 CGTTTCATCAACAAGAGACCCAACAAGCCTGCAGAACTGATCGCAAAGCATGTGGATTCAAAGTTAAGAGC
 AGGCAACAAGAAGCCACAGACGAGGAGCTGGAGCGGACGTTGGACAAGATCATGATCCTGTTTCAAGTTT
 ATCCACGGTAAAGATGTCTTTGAAGCATTTATAAAAAAGATTTGGCAAAAAGACTCCTTGTGGGAAAA
 GTGCCTCAGTCGATGCTGAAAAGTCTATGTTGTCAAAGCTCAAGCATGAGTGCGGTGCAGCCTTCACCAG
 CAAGCTGGAAGGCATGTTCAAGGACATGGAGCTTTCGAAGGACATCATGGTTCATTTCAAGCAGCATATG
 CAGAATCAGAGTGAATCAGGCCCTATAGACCTCACAGTGAACATACTCACAATGGGCTACTGGCCAACAT
 ACACGCCCATGGAAGTCACTTAACCCAGAAATGATTAACCTCAGGAAGTATTTAAGGCATTTTATCT
 TGGAAAGCACAGTGGTCGAAAACCTCAGTGGCAAACCTACTTTGGGACATGCTGTTTTAAAGCGGAGTTT
 AAAGAAGGAAGAAGGAATTCAGGTGTCCCTCTCCAGACACTGGTCTCCTCATGTTCAACGAGGGAG
 ATGGCTCAGCTTTGAGGAGATAAAAAAGCCACGGGGATAGAGGATAGTGAATTGCGCAGAACGCTGCA
 GTCCTGGCCTGTGGCAAAGCACGTGTGCTGATTAAGTCCCAAAGGAAAGGAAGTGAAGATGGAGAC
 AAGTTCATTTTTAATGGAGAGTCAAGCACAAGTTGTTTGAATAAAGATCAATCAAATTCAGATGAAGG
 AAAGTGTGAGGAACAGGTTAGCACCACTGAGAGAGTGTTCAGGATAGACAATATCAGATTGATGCTGC
 TATCGTCAGAATAATGAAGATGAGAAAGACTCTTGGTCATAATCTTCTAGTTTCTGAATTATATAATCAG
 CTGAAATTTCCAGTAAAGCCTGGAGATTTGAAAAAGAGAATTGAATCTCTGATAGACAGAGACTATATGG
 AGAGAGACAAAGACAATCCGAATCAGTACCACTACGTGGCC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC239269 representing NM_001278514
 Red=Cloning site Green=Tags(s)

MLYKQLRQACEDHVQAQILPFREDSLDSVLFLLKINTCWQDHCRCQMIMIRSIFFLDRTYVYLNSTLPSI
 CPVSYCLYRDMGLELFRTHIISDKMVQSKTIDGILLIERERSGEAVDRSLLRSLGMLSDLQVYKDSFE
 LKFLEETNCLYAAEQRLMQEREVPEYLNHVSKRLEEEGDRVITYLDHSTQKPLIACVEKQLLGEHLTAI
 LQKGLDHLLDENRVPDLAQMYQLFSRVVGGQALLQHWSEYIKTFGTAIVINPEKDKDMVQDLLDFKDKV
 DHVIEVCFQKNERFVNLKESFETFINKRPNKPAELIAKHVDSKLRAGNKEATDEELERTLDKIMILFRF
 IHGKDVFEAFYKDLAKRLLVGKSASVDAEKSMKSLKHECGAAFTSKLEGMFKDMELSKDIMVHFQHM
 QNQSDSGPIDLTVNILTMGYWPTYTPMEVHLTPEMIKLQEVFKAFYLGKHSRKLQWQTTLGHAVLKAEF
 KEGKKEFQVSLFQTLVLLMFNEGDGFSFEEIKMATGIEDSELRRTLQSLACGKARVLKSPKGKEVEDGD
 KFI FNGEFKHLFRIKINQIQMKETVEEQVSTTERVFDQRQYQIDAAIVRIMKMRKTLGHNLLVSELVYNQ
 LKFPVKPGDLKKRIESLIDRDYMERDKDNPQYHYVA

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

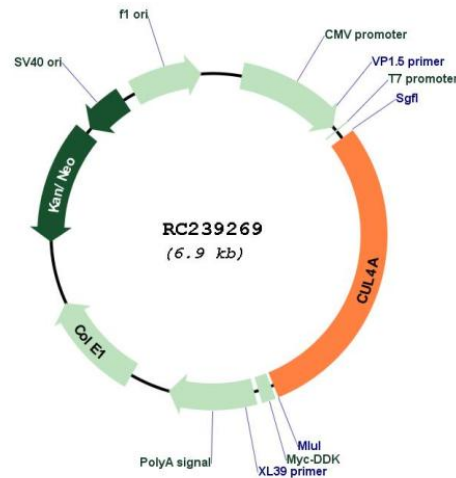
SgfI-MluI

Cloning Scheme:



* The last codon before the Stop codon of the ORF

Plasmid Map:



ACCN: NM_001278514

ORF Size: 2001 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:	<u>NM_001278514.2</u>
RefSeq Size:	3721 bp
RefSeq ORF:	2004 bp
Locus ID:	8451
Cytogenetics:	13q34
Protein Pathways:	Nucleotide excision repair, Ubiquitin mediated proteolysis
MW:	78.2 kDa
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]