

Product datasheet for **SC337163**

CUL4A (NM_001278514) Human Untagged Clone

Product data:

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

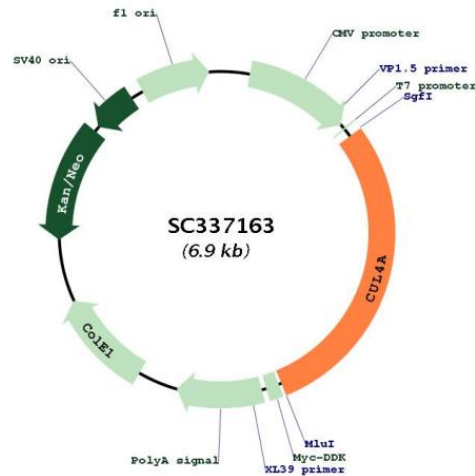


[View online »](#)

Fully Sequenced ORF: >SC337163 representing NM_001278514.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

```
GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGCTCTACAAGCAACTGCGTCAGGCCTGTGAAGACCAGTCCAGGCACAGATCCTTCCGTTTAGAGAA
GACTCACTAGATAGTGTTTTATTTTAAAGAAGATTAACACGTGCTGGCAGGACCACTGCAGACAAATG
ATCATGATCAGAAGCATCTTCTGTTCCTGGACCGCACCTATGTGCTGCAGAACTCCACGCTGCCCTCC
ATCTGTCTGTTTCTTACTGTCTATACAGGATATGGGATTAGAAGTGTTTAGAACCATATTATTAGT
GATAAAATGGTTCAGAGTAAAACCATGATGGAATCCTACTGCTGATCGAGCGGAGAGGAGCGGCGAG
GCCGTGGACCGGAGCCTGTTGCGGAGCCTCCTGGGCATGCTGTCTGACCTGCAGGTGTATAAAGATTCA
TTTGAAGTAAATTTTGAAGAGACTAATTGCTTATATGCTGCCGAAGGCCAAAGGTTAATGCAGGAA
AGAGAGGTTCCAGAATATCTTAACCATGTAAGTAAACGCTTAGAGGAAGAGGGAGACAGAGTAATCACT
TACTTGGACCACAGCACAGAAACCACTGATTGCTTGTGTGGAGAAACAGCTATTAGGAGAACATTTA
ACAGCAATTCTGCAGAAAGGGCTCGACCACTTACTGGATGAGAACAGAGTGCCGGACCTCGCACAGATG
TACCAGCTGTTACGCCGGGTGAGGGGCGGGCAGCAGGCGCTGCTGCAGCACTGGAGCGAGTACATCAAG
ACTTTTGAACAGCGATCGTAATCAATCCTGAGAAAGACAAGACATGGTCCAAGACCTGTTGGACTTC
AAGGACAAGGTGGACCACGTGATCGAGGTCTGCTTCCAGAAGAATGAGCGGTTTCGTAACCTGATGAAG
GAGTCCTTTGAGACGTTTCATCAACAAGAGACCCAAAGCCTGCAGAACTGATCGCAAAGCATGTGGAT
TCAAAGTTAAGAGCAGGCAACAAGAAGCCACAGACGAGGAGCTGGAGCGGACGTTGGACAAGATCATG
ATCCTGTTGAGGTTTATCCACGGTAAAGATGCTTTGAAGCATTTATAAAAAAGATTTGGCAAAAAAGA
CTCCTTGTGGGAAAAGTGCCTCAGTCGATGCTGAAAAGTCTATGTTGTCAAAGCTCAAGCATGAGTGC
GGTGCAGCCTTACCAGCAAGCTGGAAGGCATGTTCAAGGACATGGAGCTTTCGAAGGACATCATGGTT
CATTTCAAGCAGCATATGCAGAATCAGAGTGACTCAGGCCCTATAGACCTCACAGTGAACATACTCACA
ATGGGCTACTGGCCAACATACACGCCCATGGAAGTGCCTTAACCCAGAAATGATTAACCTTCAGGAA
GTATTTAAGGCATTTTATCTTGGAAAGCACAGTGGTTCGAAAACCTCAGTGGCAAACCTACTTTGGGACAT
GCTGTTTTAAAGCGGAGTTTAAAGAAGGGAAGAAGGAATTCAGGTGTCCTCTTCCAGACACTGGTG
CTCCTCATGTTCAACGAGGAGATGGCTTCAGCTTTGAGGAGATAAAAAATGGCCACGGGGATAGAGGAT
AGTGAATTGCGCAGAACGCTGCAGTCCCTGGCCTGTGGCAAAGCACGTGTGCTGATTAAGTCCCAA
GGAAAGGAAGTGAAGATGGAGACAAGTTCATTTTAAATGGAGAGTTCAAGCACAAGTTGTTTGAATA
AAGATCAATCAAATTCAGATGAAGGAACTGTTGAGGAACAGGTTAGCACCCTGAGAGAGTGTTCAG
GATAGACAATATCAGATTGATGCTGCTATCGTCAGAATAATGAAGATGAGAAAGACTCTTGGTCATAAT
CTTCTAGTTTCTGAATTATATAATCAGCTGAAATTTCCAGTAAAGCCTGGAGATTGAAAAAGAGAATT
GAATCTCTGATAGACAGAGACTATATGGAGAGAGACAAAGACAATCCGAATCAGTACCACTACGTGGCC
TGA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
```

Restriction Sites: SgfI-MluI

Plasmid Map:


ACCN: NM_001278514

Insert Size: 2004 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

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_001278514.1](#)

RefSeq Size: 3721 bp

RefSeq ORF: 2004 bp

Locus ID: 8451

Cytogenetics: 13q34

Protein Pathways: Nucleotide excision repair, Ubiquitin mediated proteolysis

MW: 77.7 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]

Transcript Variant: This variant (4) utilizes an alternate 5' terminal exon and an alternate in-frame splice junction, compared to variant 1. This results in an isoform (3) with a shorter N-terminus and an alternate internal segment compared to isoform 1. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.