

## Product datasheet for **RR206957**

### **Cul2 (NM\_001108417) Rat Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Cul2 (NM_001108417) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Cul2
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide  
Sequence:

>RR206957 representing NM\_001108417  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGTCCTTTAAACCAAGAGTAGTGGATTTTGATGAGACGTGGAACAAGCTGCTAACTACAATCAAGGCTG  
TCGTTATGTTGGAATATGTAGAGAGAGCAACATGGAACGACCGCTTCTCAGACATCTATGCTTTATGTGT  
GGCCTATCCTGAACCACTTGGAGAAAGACTTTATGCGGAAAACAAAGATTTTTTTGGAAAAACACGTTTCGG  
CATTATATAAGAGAGTTCTGGAGTCTGAAGAACAAGTCTTGTATGTATCATAGGTAAGTGGGAAGAAT  
ACAGCAAGGGTGTGACTATATGGACTGCTTATAGGTATCTCAATACCCAGTATATTAAGAAAGATAA  
ATTGACGGAAGCTGATTTACAGTATGGCTATGGTGGAGTAGATATGAATGAACCACTTATGGAAATAGGA  
GAGCTAGCATTGGATATGTGGAGGAAGTAAATGGTTGAACCCCTCAGAACATCCTCATCCGGATGCTGC  
TTCGAGAAATTAAGATGATCGTGGTGGAGAAGACCCAAACCAGAAAGTAAATCCATGGGGTTATTAAGT  
CTTTGTTGATGTTGAACAGTATAAGAAAAATTCCTTAAAGTTTTATCAGGGAATATTTGTGTCTCCC  
TTTCTGACCGAAACGGGAGAATATTACAAGCAAGAAGCTTCAAATTTATTACAAGAAATCAAAATGTTCCAC  
AGTATATGGAAAAGGTTCTAGGTAGATTAAGAAATGAAGAAATAGATGTCGAAAATATTTGCATCCAAG  
TTCATATACGAAAGTGATTCACGAGTGTGACGACGGATGGTGGCAGACCACTTGCAGTTCTTACTCTCA  
GAGTGCCACAGCATTATTCGGCACGAGAGGAAGAACGACATGGCAAAATATGTACGCTTACTTCTGTGCTG  
TGTCACAGTGGTTACCTCATATGATTGAGGAGCTACAGAGACACATCCACGATGAGGGCCTTCGAGCGAC  
CAGTAACCTTACTCAGGAACATATGCCAACACTATTTGTGGAATCAGTTTTGGAAGTGCACGGTAAATTC  
GTTCAACTTATCAACACTGTTTTGAATGGTGTATGAGCATTATGAGTGCCTTATGATAAGCTTCTAAGT  
ACTGTGACAACCTGCTAAAGAAGTACGAAAGGGGATGACGGAGAATGAAGTAGAGGACAAGCTTACCAG  
CTTGCATCACAGTTTTCAAGTACATCGATGACAAGGACGCTTTTCAGAAGTTCTATGCAAGAATGCTAGCA  
AAACGTCTAATTCACGGGCTGTCTATGTCTATGGATTCTGAAGAAGCCATGATCAATAAATTAAGCAAG  
CCTGTGGGTATGAGTTTACCAGCAAGCTGCATCGGATGTACACAGACATGAGTGTGACGCGCCGACCTCAA  
CAACAAGTTCAACAATTTATCAGAAACCAAGACACTGTGATCGATTTGGGGATTAGTTTCCAAATATAT  
GTCCTTCAGGCTGGTGGCTGCTCACCAGGCTCCGTCGTCACATTTGCGATCCCCAAGAGTTAG  
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CAATGGCAGTTCTTCTGCCTTAAACAACAGTAAACTGTCAGCTACAAGAGCTTCAAGACAGCACCC  
AGATGAATGAAAAGGAGCTAACTAAAACAATCAATCATTACTTGATGTGAAAATGATTAACCATGATTC  
AGAAAAGGAAGATATCGATGCAGAACTTCATTTTCACTAAATATGAGCTTCAGCAGTAAGAGAACAAAA  
TTTAAGATTACTACATCAATGCAGAAGGATACACCACAAGAAGTGAACAGACTAGAAGTGTGTAGATG  
AGGACCGGAAAATGTATCTTCAAGCTGCTATTGTCCGATCATGAAAGCACGGAAAGTGTTCGGCACAA  
CGCCCTCATTGAGGAGTAAATCAGCCAGTCAAGAGCCAGGTTCAATCCCAGTATCAGCATGATTAAGAA  
TGCATAGAAGTTCTGATAGACAAGCAGTACATCGAGCCGACGCAAGCATCTGCAGATGAATACAGTTACG  
TTGCG

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR206957 representing NM\_001108417  
 Red=Cloning site Green=Tags(s)

MSLKPRVVDVDFETWNKLLTTIKAVVMLEYVERATWDRFSDIYALCVAYPEPLGERLYAETKIFLENHVR  
 HLYKRVLESEEQVLVMYHRYWEEYSKADYMDCLYRYLNTQYIKKNKL TEADLQYGGVDMNEPLMEIG  
 ELALDMWRKLMVEPLQNILIRMLLREIKNDRGGEDPNQKVIHGVINSFVHVEQYKKKFKPLKFYQGIFVSP  
 FLTETGEYKQEASNLLQESNCSQYMEKVLGRLKDEEIRCRKYLHPSSYTKVIHECQQRMVADHLQFLHS  
 ECHSIIIRHERKNDMANMYVLLRAVSSGLPHMIEELQRHIEHDEGLRATSNLTQEHMPTLFVESVLEVHGKF  
 VQLINTVLNGDQHFMSALDKLAKYCDNLLKSAKGMTENEVEDKLTSTFITVFKYIDDKDVFKFYARMLA  
 KRLIHGLSMSMDSEEAMINKLKQACGYEFTSKLHRMYTDMVSADLNNKFNNFIRNQDQVTLGIFQIY  
 VLQAGAWPLTQAPSSTFAIPQELEKSVQMFELFYSQHFSGRKL TWLHYLCTGEVKMNYLGKPYVAMVTTY  
 QMAVLLAFNNSETVSYKELQDSTQMNEKELTKTIKSLLDVKMINHDSEKEDI AESSFSLNMSFSSKRTK  
 FKITTSMQKDTPELEQTRSAVDEDRKMYLQAAIVRIMKARKVLRHNALIQEVISQSRARFNPSISMIKK  
 CIEVLIDKQYIERSQASADEYSYVA

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

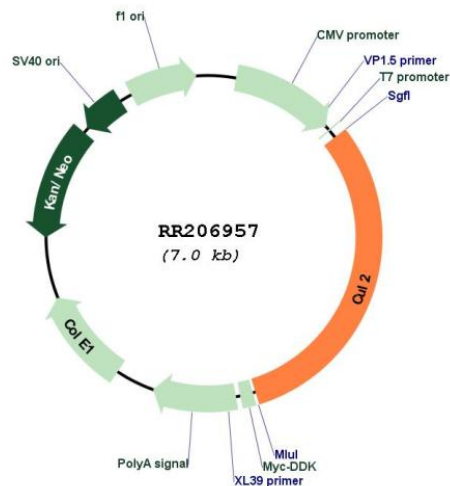
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



## Plasmid Map:



ACCN: NM\_001108417

ORF Size: 2175 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\\_001108417.1](#), [NP\\_001101887.1](#)

RefSeq Size: 3761 bp

RefSeq ORF: 2178 bp

Locus ID: 361258  
Cytogenetics: 17q12.1  
MW: 84.8 kDa