

## Product datasheet for RC201178

### CDK2AP2 (NM\_005851) Human Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** CDK2AP2 (NM\_005851) Human Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** CDK2AP2  
**Synonyms:** DOC-1R; p14  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**ORF Nucleotide Sequence:** >RC201178 ORF sequence  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGTCCTACAAACCCATCGCCCTGCTCCAGCAGCACCCCTGGCTCCAGCACCCCTGGCCGGGCACCC  
 CGGTCCCTACAGGAAGCGTCCCCTCGCCGTCGGGCTCAGTGCCAGGAGCCGGCGCTCCTTTCAGACCGCT  
 GTTTAACGACTTTGGACCGCCTCCATGGGCTACGTGCAGGCGATGAAGCCACCCGGCGCCAGGGCTCC  
 CAGAGCACCTACACGGACCTGCTGTGATCATAGAGGAGATGGGCAAAGAGATCCGGCCTACCTATGCTG  
 GCAGCAAGAGCGCCATGGAGCGCCTGAAGAGAGGTATCATCCATGCCCGGCCCTAGTCAGAGAGTGCCT  
 GGCAGAGACAGAGCGGAACGCCCGCACG

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >RC201178 protein sequence  
 Red=Cloning site Green=Tags(s)  
 MSYKPIAPAPSSSTPGSSTPGPGTPVPTGSPSPSGSVPGAGAPFRPLFNDFGPPSMGYVQAMKPPGAQGS  
 QSTYTDLLSVIEEMGKEIRPTYAGSKSAMERLKRGIHARALVRECLAETERNART

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:** [https://cdn.origene.com/chromatograms/mk6389\\_e10.zip](https://cdn.origene.com/chromatograms/mk6389_e10.zip)

**Restriction Sites:** SgfI-MluI



[View online »](#)

**Cloning Scheme:**


**ACCN:** NM\_005851

**ORF Size:** 378 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\\_005851.5](#)

**RefSeq Size:** 1499 bp

**RefSeq ORF:** 381 bp

**Locus ID:** 10263

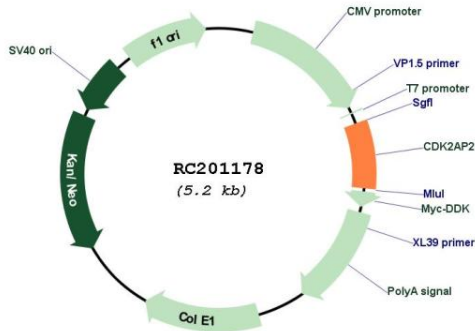
**UniProt ID:** [O75956](#)

**Cytogenetics:** 11q13.2

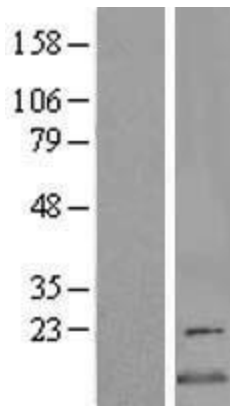
**MW:** 13.1 kDa

**Gene Summary:** This gene encodes a protein that interacts with cyclin-dependent kinase 2 associated protein 1. Pseudogenes associated with this gene are located on chromosomes 7 and 9. Alternatively spliced transcript variants have been observed for this gene. [provided by RefSeq, Dec 2012]

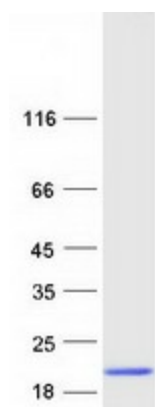
**Product images:**



Circular map for RC201178



Western blot validation of overexpression lysate (Cat# [LY417039]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC201178 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified CDK2AP2 protein (Cat# [TP301178]). The protein was produced from HEK293T cells transfected with CDK2AP2 cDNA clone (Cat# RC201178) using MegaTran 2.0 (Cat# [TT210002]).