

Product datasheet for **RR216420**

Cdkn1c (NM_001033758) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Cdkn1c (NM_001033758) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Cdkn1c
Synonyms: Kip2; p57; p57KIP2
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR216420 representing NM_001033758
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGGGCATGTCCGACGTGTACCTCCGCAGCAGAACAGCGATGGAACGCTTGGCCTCCAGCGACACCTTCC
CAGTGATAGCGCGCAGCAGCGCCTGCCGCAGCCTCTTCGGGCCTGTAGACCACGAGGAGCTGGGCCGCA
GCTGCGGATGCGCCTGGCGGAGCTGAACCCGAGGACCAGAACCCTGGGACTTCAACTCCAGCAGGAT
GTGCTCTTCGAGGCCCTGGTCTGCTGAGTGGATGGAGGTGGACAGCGAGTCTGTGCCCGCTTCTACC
GCGAGACGGTGCAGGTGGGGCGCTGTCGCTGCAGCTGGGGCCCCGCCACCTCCGGTGGCTGTGGCTGT
CATCCCGCTTCTGGGCCGCCGGCTGGCGAGGGCCCCGACGGCCTAGAGGAGGGCCTGAGCAGCGCCCC
AGCGCCCCAGCCTCGGCCGTGGTCGCGGAGCCACCCACCCGCGACCCCGGCCCGCCTCAGATCTGA
CCTCAGACCCGATTCCGGACGTGACCCCGGTGCGGACCTCGGACTCGACTCCAGACCCGATCCAGACGT
GGCGACTCAGGACGGCGAGGAACAGGTCCCTGAGCAGGTCTCTGAGCAGGTCTCTGAGCAGGGCAGGAG
TCGGGTGCTGAGCCGGTGATGAGCTGGGAGCTGAGCCGGTCTCTGAGCAGGGCAAGCAGCAGGGCGCG
AGCCGGTCGAGGAGAAGGACGAGGAGCCGTGGAGGAGCAGGGCGCAGAGCCGGTCGAGGAGAAGGACGA
GGAGCCAGTCGAGGGGCAGAACGGGAGCTGGTCGAGGAGCAGGACGAGAATCAGGAGCTGAAGGACCAG
CCTCTCTCGGGGATTCCAGGACGTCTGACGCCGGGACTGCTGCGGCCAATGCGAACGACTTCTTCGCCA
AGCGCAAGAGAACTGCGCAGGAGAAAGGCGTCGAACGATGTCCTGCGAGGTGTCCCTCTCTAACGT
GGCTCTGGGGTGGCGCGGTGGAGCAGACCCCGCAAACGTCTGCGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR216420 representing NM_001033758
 Red=Cloning site Green=Tags(s)

MGMSDVYLRRTAMERLASSDTFPVIARSSACRSLFGPVDHEELGRELRLAELNAEDQNRWDFNFQQD
 VPLRGPGRQLQWMEVDSVPAFYRETVQVGRCLQLGPRPPPVAVAVIPRSGPPAGEGPDGLLEEPEQPP
 SAPASAVVAEPTPPATPAPASDLTSDPIPDPVTPVATSDSTPDPIDVATQDGEEQVPEQVSEQVSEQGEE
 SGAEPGDELGAEPVSEQKQQAEPVEEKDEEPVEEQGAEPVEEKDEEPVEEQNGELVEEQDENQELKQD
 PLSGIPGRPAAGTAAANANDFFAKRKRTAQENKASNDVPAGCPSPNVAPGVGAVEQTTPRKRLR

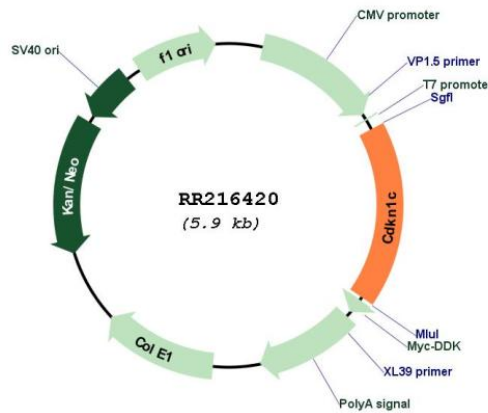
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001033758

ORF Size: 1029 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:	<ol style="list-style-type: none">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_001033758.1 , NP_001028930.1
RefSeq Size:	2045 bp
RefSeq ORF:	1032 bp
Locus ID:	246060
Cytogenetics:	1q42
MW:	36.7 kDa
Gene Summary:	cyclin-dependent protein kinase inhibitor; may be involved in regulating cell proliferation during embryogenesis [RGD, Feb 2006]