

Product datasheet for **RR209771**

Ccnd3 (NM_012766) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Ccnd3 (NM_012766) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Ccnd3
Synonyms: MGC93643; MGC108760
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR209771 representing NM_012766
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGAGCTGCTGTGTTGCGAGGGCACCCGGCTCGCGCCCCGGGCCGGCCGACCCGCGGCTACTGGGG
 ACCAGCGTGTCTGCAGAGTTTGTCCGCTTGGAGGAGCGCTACGTGCCGCGAGGCTCCTACTTCCAGTG
 CGTGCAAAAGGAGATCAAGCCGCACATGCGGAAGATGCTGGCGTACTGGATGCTGGAGGTGTGTGAGGAG
 CAGCGCTGCGAGGAGGATGTCTTCCCTCTGGCTATGAACTACCTGGATCGCTACCTGTCTCGCTCCCA
 CCCGAAAGGCGCAACTGCAGTTCTAGGTACCGTCTGCCTGTTGCTGGCCTCCAAGCTGCAGCAAAACCAC
 ACCCTGACTATTGAGAAGCTCTGCATCTATACGGACCAAGCTATGGCTCCCTGGCAGTTGCGGGAATGG
 GAGGTGCTGGTCTGGGGAAGCTCAAGTGGGACCTGGCTGCTGTGATTGCGCACGACTTCTGGCCTTGA
 TTCTGCACCGCTCTCTGCCCCAGTGACCGGCAGGCACTGGTCAAAAAGCATGCTCAGACCTTTTTGGC
 CCTCTGTGCCACAGATTACCTTTGCGATGTACCCTCCATCCATGATCGCCACGGGCAGCATCGGGGCT
 GCAGTGTAGGCTGGTGCCTGCTCTATGTCTGCAGATGAGCTCACAGAGCTGCTGGCGGAATCACAG
 GCACTGAAGTGGACTGCCTGCTGCTGCCAGGAGCAGCAGATCGAAGCTGCCCTCAGGGAGAGCCTCAG
 GGAAGCTGCTCAGACAGCCCCAGCCCCGTGCCAAAGCCCCGGGGGTCTAGCAGCCAGGGGCCCACT
 CAGACCAGCACTCCACAGATGTACAGCCATCCACCTG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR209771 representing NM_012766
 Red=Cloning site Green=Tags(s)

MELLCCGTRLAPRAGDPRLLDGQRVLQSLRLLEERYVPRGSYFQCQVQKEIKPHMRKMLAYWMLEVC EE
 QRCEEDVFPLAMNYLDRYLSCVPTRKAQLQLLGTVCLLLASKLRETTPLTIEKLCIYTDQAMAPWQLREW
 EVLVLGLKWLDAAVIAHDFLALILHRLSLPSDRQALVKKHAQTFALCATDYTFAMYPPSMIATGSIGA
 AVLGLGACSMSADEL TELLAGITGTEVDCLRACQEQQIEAALRESLREAAQTAPSPVPKAPGGSSSQGPS
 QTSTPTDVTAIHL

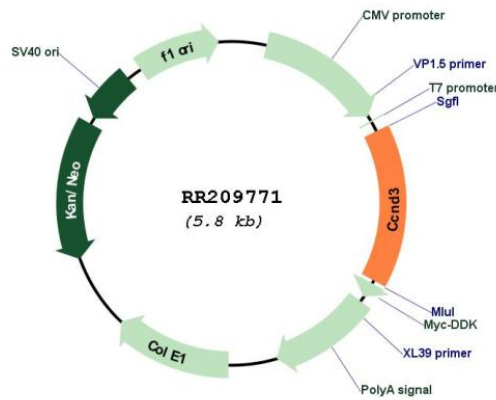
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_012766

ORF Size: 879 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_012766.1 , NP_036898.1
RefSeq Size:	1843 bp
RefSeq ORF:	882 bp
Locus ID:	25193
UniProt ID:	P48961
Cytogenetics:	9q12
MW:	32.4 kDa
Gene Summary:	cyclin that binds both Cdk4 and Cdk6; involved in cell cycle regulation [RGD, Feb 2006]