

Product datasheet for **RR204043**

Ccnb1 (NM_171991) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ccnb1 (NM_171991) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Ccnb1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RR204043 representing NM_171991 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCGCTCAGGGTCACTAGGAACACGAAAATTAACACAGAAAATAGGCCAAGGTGAGCATGGCAGGCG
CCAAGCGTGTGCCTGTGGCAGTTGCTGCCTCAAACCCCTGCTGAGATCGAGAAGTCTCTGGAGACAT
TGGTAATAAAGTCAGCGAACAGTCAAGAATACCCCTCAAAAAGGAAACAAAAAGTTAGGTTCTGGAACA
GTTACTGTTAAAGCCCTACCAAAACCTGTGGACAAGGTGCCAGTGTGCGAACAGAGGTGGAAGTGGATG
AGCCTGAGCCTGAACCTGTTATGGAAGTAAACTCTCCTGAGCCTATTTGGTTGATACTCCCTCTCC
AAGCCCAATGAAACATCTGGATGTGCACCTGCCGAAGAATATCTGTGTCAGGCTTTCTCCGATGTGATT
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TCTATGCTTACCTCAGACAACCTGGAGGAAGAGCAGTCAGTTAGACCAAAATACCTACTGGGTCGTGAAGT
CACTGGAAACATGAGAGCCATCCTAATCGACTGGCTAATACAGGTTGAGTGAATTTGGCTGCTGCAG
GAGACCATGTACATGACTGTGTCCATTATCGATCGGTTTCATGCAGGACAGTTGTGTGCCAAGAAGATGC
TGCAGCTGGTTGGTGAAGTCCATGTTTATTGCAAGCAAATACGAGGAGATGTACCCTCCAGAGATCGG
TGACTTCGCTTTTGTGACTAACAACACTTACACCAAGCACCAGATCAGACAGATGGAGATGAAGATTCTG
AGAGTTCTGAAGTTCAGTCTGGGTCGCCCTCTGCCTCTGCACTTCTCCGTAGAGCATCTAAAATTGGAG
AGGTCGATGTGGAGCAGCATACTTTGGCCAAATACCTCATGGAGCTCTCCATGCTGGACTACGACATGGT
GCATTTTGGCCCTTCTCAAATTGAGCTGGGGCTTTTGGCTTAGCCCTGAAAATCCTTGACAACGGTGAA
TGGACCAACTCTGCAGCACTACCTGTCCACACGGAGGAATCTCTGCTTCTGTGATGCAGCACCTGG
CTAAGAACATAGTCATGGTGAACCGTGGCTCACAAGCAGATGACGATCAAGAACAAGTATGCAACATC
TAAGCATGCTAAGATCAGCACTCTGGCACAGCTGAATTGTACTAGTTTACAATTTGTCTAAGGCCGTG
ACAAAGGCG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR204043 representing NM_171991
 Red=Cloning site Green=Tags(s)

MALRVTRNTKINTENKAKVSMAGAKRVPVAVAASKPLLRSRALGDIGNKVSEQSRIPLKKTETKLLGSGT
 VTKALPKPVDKVPVCEPEVELDEPEPEPVMVKHSPEPILVDTSPSPMETSGCAPAEEYLCQAFSDVI
 LAVSDVDADGGDPNLCSEYVKDIYAYLRQLEEEQSVRPKYLLGREVTGNMRAILIDWLIQVQMKFRLQ
 ETMYMTVSIIDRFMQDSCVPKMLQLVGV TAMF IASKYEEMYPPEIGDFAFVTNNTYTKHQIRQMEMKIL
 RVLNFSLGRPLPLHFLRRASKIGEVDVEQHTLAKYLMELSMLDYDMVHFAPSQIAAGAFCLALKILDNGE
 WPTLQHYLSHTEESLLPVMQHLAKNIVMVRGLTKHMTIKNKYATSKHAKISTLAQLNCTLVQNL SKAV
 TKA

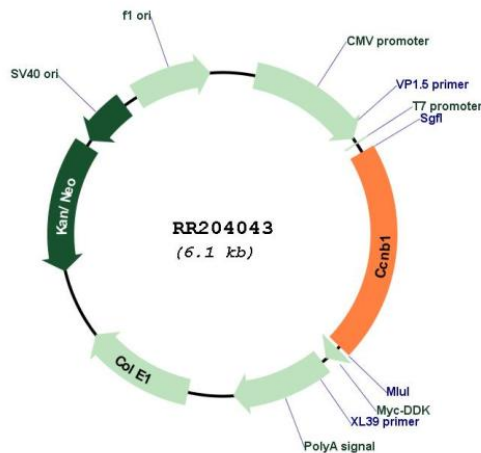
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN:	NM_171991
ORF Size:	1269 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_171991.3 , NP_741988.1
RefSeq Size:	3273 bp
RefSeq ORF:	1272 bp
Locus ID:	25203
UniProt ID:	P30277
Cytogenetics:	2q12
MW:	47.4 kDa
Gene Summary:	putative cyclin likely involved in cell cycle regulation; expressed in regenerating liver and may be involved in growth stimulation [RGD, Feb 2006]