

Product datasheet for **RR205712**

Ccng1 (NM_012923) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ccng1 (NM_012923) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Ccng1
Synonyms:	Ccng; CYCG
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RR205712 representing NM_012923 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGATAGAAGTACTGACAACTGACTCTCAGAACTGCTACACCAGCTGAACACCCTGTTGGAACAGGAGT
CCAGATGTCAGCCAAAGGTCTGTGGCCTGAAACTGATTGAGTCTGCACATGATAATGGCCTCAGGATGAC
TGCAAGACTCCGGGACTTTGAAGTCAAAGATCTACTGAGTCTAACTCAGTTCTTTGGCTTCGACACAGAA
ACATTTCCCTTGCTGTGAATTTACTGGACAGATTCTTGTCTAAAATGAAGGTACAGGCGAAGCATCTCG
GCTGTGTCGGACTGAGCTGCTTTTATTTGGCTGTGAAATCGATTGAAGAGGAAAGGAACGTCCTCCGCTGGC
AACTGATTTGATCCGGATAAGTCAGTATAGGTTACAGTTTCAGACCTGATGAGAATGGAAAAGATTGTG
TTGGAGAAAGTGTGCTGGAAAGTCAAAGCTACTACTGCCTTCCAATTTCTGCAGCTCTATTACTCCCTCA
TTCGGGAGACCTTGCCATTTGAAAGGAGAAACGATCTGAATTTTGAAGACTAGAAGCCCAACTGAAGGC
GTGCCACTGCAGGATCATATTTCTAAGGCAAAGCCTTCTGTGCTGGCGCTGGCAATCATCGCTTTGGAG
ATCCAAGCACTGAAGTATGTGGAGTTAACAGAAGGAGTAGAATGTATTTCAGAAACATTCCAAGATAAGTG
GCCGAGATCTGACCTTCTGGCAAGAGCTTGTTCCTCAAGTGTAACTGAATTTCAACAAGTGTTC
CAAGCCGAACGGTCAGAAGTTAAAATGGATCGTGTCTGGGCGCACTGCACGACAACCTGAAGCACAGTTAT
TACAGGATAACCCACCTCCAACAATTCCCGAAACCATGGGT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR205712 representing NM_012923
Red=Cloning site Green=Tags(s)

MIEVLTTDSQKLLHLQNTLLEQESRCQPKVCGCLKLIESAHDNGLRMTARLRDFEVKDLLSLTQFFGFDTET
 TFSLAVNLLDRFLSKMKVQAKHLGCVGLSCFYLA VKSIEEERNVPLATDLIRISQYRFTVSDLMRMEKIV
 LEKVCWKVKATTAFLQLYYSLIRETLPFERRNDL NFERLEAQLKACHCRIIFSKAKPSVLALAI IALE
 IQALKYVELTEGVECIQKHSKISGRDLTFWQELVSKCLTEYSSNKCSKPNGQKLKWI VSGRTARQLKHSY
 YRITHLPTIPETMG

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

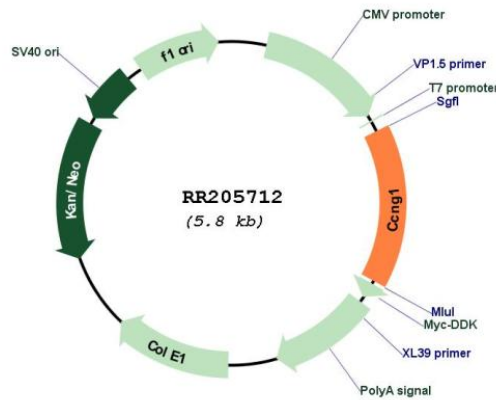
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_012923

ORF Size: 882 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_012923.2 , NP_037055.1
RefSeq Size:	3198 bp
RefSeq ORF:	885 bp
Locus ID:	25405
UniProt ID:	P39950
Cytogenetics:	10q12
MW:	33.9 kDa
Gene Summary:	putative cyclin that appears to be involved in response to cellular growth stimuli but not in the cell cycle [RGD, Feb 2006]