

Product datasheet for RC207385

Cyclin J (CCNJ) (NM_019084) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cyclin J (CCNJ) (NM_019084) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Cyclin J
Synonyms:	bA690P14.1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC207385 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAGCTGGAGGGGCGAGTGGTGGCGAGGACAGCTGGCCGCCGATATTCACCAAGCGCTTCGCTACAAGG
AGCTGAAGTTGCCCTCCTATAAAGGCCAGTCCCCTCAGTTAAGTCTCAGACGGTATTTTGTGACTTGAT
TGCCATTGTGAGCAATCGCTTACACTCTGCCCTTCTGCCGCCATCTTGCTGTCTATTTACTGGACCTG
TTTATGGACCGCTATGACATCTCTATCCAGCAGCTGCATTTAGTTGCGCTTTCCTGCCTGCTTCTAGCAA
GTAAATTTGAAGAAAAGAAGACAGTGTGCCTAAGCTGGAGCAGCTCAACAGCCTGGGTTGTATGACTAA
TATGAATCTAGTATTAACAAAACAAAATTTGCTACATATGGAACATTATTATTAGAAAACCTTTCAGTGG
AACCTCTGCCTTCCAACAGCCGCCATTTTCATTGAGTATTATCTCTCTGAAGCAGTACACGAAACAGATC
TTCATGACGGCTGGCAAATGATTTGCTTGGAAAAGACTAAACTCTACATGGCCAAATATGCAGATTACTT
CCTGGAAGTATCTTTGCAAGTAGCTGCTGCATGTGTGGCTTCTTCGAGGATTATACTTCGCTTTTCTCCA
ACGTGGCTACAAGACTACATCGTCTTACTGCCTACTCTTGGGATTTCTTAGTGCAGTGTATTGAACGAC
TGTTGATCGCTCATGATAATGATGTGAAAGAAGCAAACAACAGAGAGGGCAAGCAGGACCTCAGTCAGC
GCAACTAAGTGTATTCCAGACAGCCTCCAGCCATCACGGCCAGTTCACTTTCAGCAACCTCAGTATCTC
CATCAGACACATCAGACCTCACTGCAGTATCGCCATCCTACGTCAGAACAACCAAGCTGTCAGCAGATTG
TATCGACCACACACCCTCATCTTACACACTACAGACATGCTCCTGGCTTCCAACACTAGTGTTTCAGGG
CCTTGGGCACATGCAGACTGGTGTGGGATGTCCTGGAATACCAAGTAGAAGTTAAGCCCTGTCTGAGT
GTTTCTTACAACCGAGTTATCAGATAAATGAACATTACCCTTGTATTACTCCATGTTTTGAAAGG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTAA



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Protein Sequence: >RC207385 protein sequence
Red=Cloning site Green=Tags(s)

MELEGQWWRGQLAADIHQALRYKELKLPYKQSPQLSLRRYFADLIAIVSNRFTLCPSARHLAVYLLDL
 FMDRYDISIQQLHLVALSCLLLASKFEEKEDSVPKLEQLNSLGCMTNMNLVLTQNLHMELETTTFQW
 NLCLPTAAHFIEYYLSEAVHETDLHDGWPMICLEKTKLYMAKYADYFLEVSLQVAAACVASSRIILRLSP
 TWPTRLHRLTAYSWDFLVQCIERLLIAHDNDVKEANKQRGQAGPQSAQLSVFQTASQPSRPVHFQQPQYL
 HQTHQTSLQYRHPTSEQPSCQQIVSTTHTSSYTLQTCPAGFQTSVQGLGHMQTGVGMSLAIPVEVKPCLS
 VSYNRSYQINEHYPCITPCFER

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6341_b04.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



* The last codon before the Stop codon of the ORF

ACCN: NM_019084

ORF Size: 1116 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_019084.5](#)

RefSeq Size: 4120 bp

RefSeq ORF: 1119 bp

Locus ID: 54619

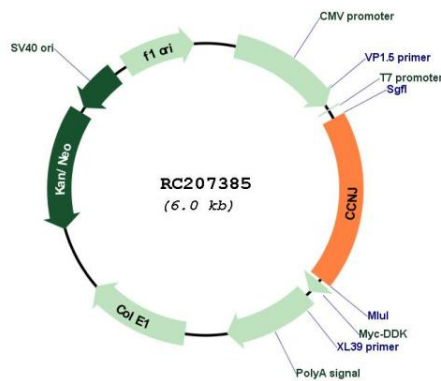
UniProt ID: [Q5T5M9](#)

Cytogenetics: 10q24.1

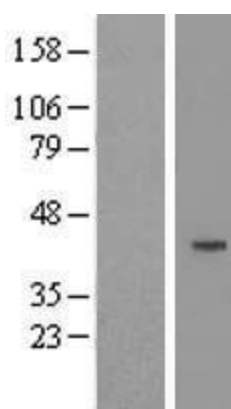
Domains: cyclin_C

MW: 42.6 kDa

Product images:



Circular map for RC207385



Western blot validation of overexpression lysate (Cat# [LY412767]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC207385 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).