

Product datasheet for **RC225587**

Cyclin J (CCNJ) (NM_001134375) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
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: >RC225587 representing NM_001134375
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGAGCTGGAGGGGCAGTGGTGGCGAGGACAGCTGGCCGCCGATATTCACCAAGCGCTTCGCTACAAGG
AGCTGAAGTTGCCCTCCTATAAAGGCCAGTCCCCTCAGTTAAGTCTCAGACGGTATTTTGCTGACTTGAT
TGCCATTGTGAGCAATCGCTTCACACTCTGCCCTTCTGCCGCCATCTTGCTGTCTATTTACTGGACCTG
TTTATGGACCGCTATGACATCTCTATCCAGCAGCTGCATTTAGTTGCGCTTTCCTGCCTGCTTCTAGCAA
GTAAATTTGAAGAAAAAGACAGTGTGCCTAAGCTGGAGCAGCTCAACAGCCTGGGTTGTATGACTAA
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TTCATGACGGCTGGCCAAATGATTTGCTTGGAAAAGACTAACTCTACATGGCCAAATATGCAGATTACTT
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CTTGGGATTTCTTAGTGCACTGATTGAACGACTGTTGATCGCTCATGATAATGATGTGAAAGAAGCAAA
CAAACAGAGAGGGCAAGCAGGACCTCAGTCAGCGCACTAAGTGTATTCAGACAGCCTCCAGCCATCA
CGGCCAGTTCACTTTAGCAACCTCAGTATCTCCATCAGACACATCAGACCTCACTGCAGTATCGGCATC
CTACGTCAGAACAACTGCTGTCAGCAGATTGTATCGACCACACACCTCATCTTACACACTACAGAC
ATGTCCTGCTGGCTTCCAACTAGTGTTCAGGGCCTTGGGCACATGCAGACTGGTGTGGGATGTCAGT
GCAATACAGTAGAAGTTAAGCCCTGTCTGAGTGTTCCTTACAACCGGAGTTATCAGATAAATGAACATT
ACCCTTGATTAATCTCCATGTTTGAAGG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTAA



Protein Sequence:

>RC225587 representing NM_001134375

Red=Cloning site Green=Tags(s)

MELEGQWWRGQLAADIHQALRYKELKLPYKQSPQLSLRRYFADLIAIVSNRFTLCPSARHLAVYLLDL
FMDRYDISIQQLHLVALSCLLLASKFEEKEDSVPKLEQLNSLGCMTNMNLVLTQNLHLMELLLLLETFQW
NLCLPTAAHFIEYYLSEAVHETDLHDGWPMICLEKTKLYMAKYADYFLEVSLQDYAFNLNAPSLVAAACV
ASSRIILRLSPTWPTLHRLTAYSWDFLVQCIERLLIAHDNDVKEANKQRGQAGPQSAQLSVFQTASQPS
RPVHFQPPQYLHQTHQTSYRHTSEQPSQQIVSTTHTSSYTLQTCPAGFQTSVQGLGHMQTGVMGMSL
AIPVEVKPCLSVSYNRSYQINEHYPCITPCFER

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

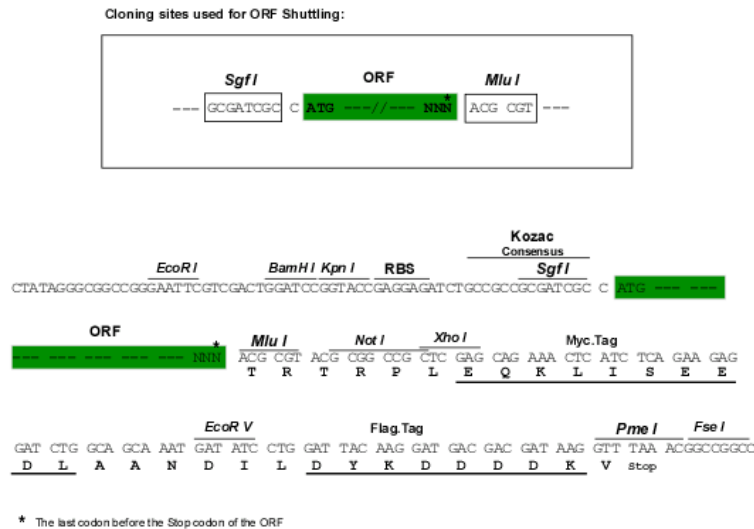
Chromatograms:

https://cdn.origene.com/chromatograms/mg4712_g06.zip

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN:

NM_001134375

ORF Size:

1149 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_001134375.2](#)

RefSeq ORF: 1152 bp

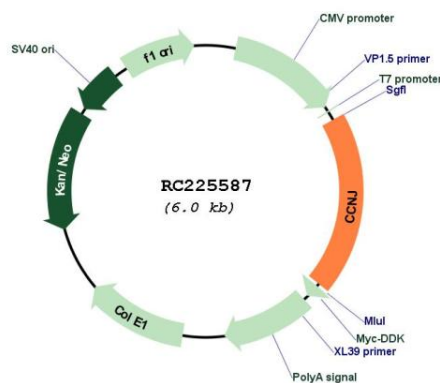
Locus ID: 54619

UniProt ID: [Q5T5M9](#)

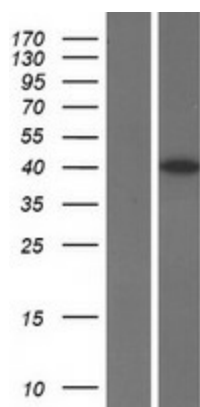
Cytogenetics: 10q24.1

MW: 43.7 kDa

Product images:



Circular map for RC225587



Western blot validation of overexpression lysate (Cat# [LY427405]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from un-transfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC225587 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).