

## Product datasheet for **RC222512**

### CCNL2 (NM\_001039577) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	CCNL2 (NM_001039577) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	CCNL2
Synonyms:	ANIA-6B; CCNM; CCNS; HCLA-ISO; HLA-ISO; PCEE; SB138
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC222512 representing NM_001039577 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGCGGCGGGCGGGCGGGCGGGCTGGTGTGCAGGGTCGGCAGCTCCCGCGGCAGCGGCCGGCGCCCGG  
GATCTGGGGCGCACCCCTCAGGGTCGCAGGGGGTGTGATCGGGACAGGCTGTACTCGGGGTGCTCAT  
CACCTTGAGAACTGCCTCCTGCCTGACGACAAGCTCCGTTTCACGCCGTCCATGTCGAGCGGCCTCGAC  
ACCGACACAGAGACCGACCTCCGCGTGGTGGGCTGCGAGCTCATCCAGGCGGCCGGTATCCTGCTCCGCC  
TGCCGCAGGTGGCCATGGCTACCGGGCAGGTGTTGTTCCAGCGGTTCTTTTATACCAAGTCTTCGTGAA  
GCACTCCATGGAGCATGTGTCAATGGCCTGTGTCCACCTGGCTTCCAAGATAGAAGAGGCCCAAGACGC  
ATACGGGACGTCATCAATGTGTTTCACCGCCTTCGACAGCTGAGAGACAAAAGAAGCCCGTGCCTCTAC  
TACTGGATCAAGATTATGTTAATTTAAAGAACCAATTATAAAGGCGGAAAGACGAGTTCTCAAAGATT  
GGGTTTCTGCGTCCATGTGAAGCATCCTCATAAGATAATCGTTATGTACCTTCAGGTGTTAGAGTGTGAG  
CGTAACCAACACCTGGTCCAGACCTCATGGGTAGCCTCTGAGGGTAA

**ACGCGT**ACGCGGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



**Protein Sequence:** >RC222512 representing NM\_001039577  
 Red=Cloning site Green=Tags(s)

MAAAAAAGAAGSAAPAAAAGAPGSGGAPSGSQGVLIGDRLYSGVLITLENCLLPDDKLRFTPSMSSGLD  
 TDTETDLRVVGCLELIQAAGILLRLPQVAMATGQVLFQRFYTKSFVKHSMEHVSMACVHLASKIEEAPRR  
 IRDVINVFHRLRQLRDKKKPVPLLLDQDYVNLKNQIIKAERRVLKELGFCVHVKHPHKIIVMYLQVLECE  
 RNQHLVQTSWVASEGK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



\* The last codon before the Stop codon of the ORF

**ACCN:** NM\_001039577

**ORF Size:** 678 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\\_001039577.4](#)

**RefSeq Size:** 1237 bp

**RefSeq ORF:** 681 bp

**Locus ID:** 81669

**UniProt ID:** [Q96S94](#)

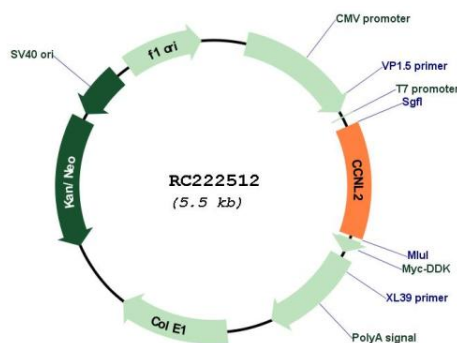
**Cytogenetics:** 1p36.33

**Protein Families:** Druggable Genome

**MW:** 24.6 kDa

**Gene Summary:** The protein encoded by this gene belongs to the cyclin family. Through its interaction with several proteins, such as RNA polymerase II, splicing factors, and cyclin-dependent kinases, this protein functions as a regulator of the pre-mRNA splicing process, as well as in inducing apoptosis by modulating the expression of apoptotic and antiapoptotic proteins. Alternatively spliced transcript variants encoding different isoforms have been described for this gene. [provided by RefSeq, Aug 2011]

### Product images:



Circular map for RC222512