OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for SC310780

CCNL2 (NM_001039577) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CCNL2 (NM_001039577) Human Untagged Clone
Tag:	Tag Free
Symbol:	CCNL2
Synonyms:	ANIA-6B; CCNM; CCNS; HCLA-ISO; HLA-ISO; PCEE; SB138
Vector:	pCMV6 series
Fully Sequenced ORF:	>NCBI ORF sequence for NM_001039577, the custom clone sequence may differ by one or more nucleotides ATGGCGGCGGCGGCGGCGGCGGCTGGTGCTGCAGGGTCGGCAGCTCCCGCGGCAGCGGCC GGCGCCCCGGGATCTGGGGGCGCACCCTCAGGGTCGCAGGGGGTGCTGATCGGGGACAGG CTGTACTCCGGGGTGCTCATCACCTTGGAGAACTGCCTCCTGCCTGACGACAAGCTCCGT TTCACGCCGTCCATGTCGAGCGGCCTCGACACCGACACAGAGACCGACCTCCGCGTGGTG GGCTGCGAGCTCATCCAGGCGGCCGGTATCCTGCTCCGCCTGCCGCAGGTGGCCATGGCT ACCGGGCAGGTGTTGTTCCAGCGGTTCTTTTATACCAAGTCCTTCGTGAAGCACTCCATG GAGCATGTGTCAATGGCCTGTGTCCACCTGGCTTCCAAGATAGAAGAGGCCCCAAGACGC ATACGGGACGTCATCAATGTGTTTCACCGCCTTCGACAGCTGAGAGACAAAAAGAAGCCC GTGCCTCTACTACTGGATCAAGATTATGTTAATTTAAAGAACCAAATTATAAAGGCGGAA AGACGAGTTCTCAAAGAGTTGGGTTTCTGCGTCCATGTGAAGCATCCTCATAAGATAATC GTTATGTACCTTCAGGTGTTAGAGTGTGAGCGTAACCAACACCTGGTCCAGACCTCATGG GTAGCCTCTGAGGGTAAGTGA
Restriction Sites:	Please inquire
ACCN:	NM_001039577
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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).

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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_001039577.1, NP_001034666.1

RefSeq Size: 5260 bp

RefSeq ORF: 681 bp

Locus ID: 81669

UniProt ID: Q96S94

Cytogenetics: 1p36.33

Protein Families: Druggable Genome

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]
Transcript Variant: This variant (2, also known as L2betaA3 or T3) differs in the 3' coding region and 3' UTR, compared to variant 1. The encoded isoform (B), also known as L2betaA, contains the cyclin box in the N-terminus and lacks the arginine/serine-rich domain (RS domain) in the C-terminus, compared to isoform A. CCDS Note: This CCDS represents the L2betaA isoform of the cyclin L2 locus, as described in PMID:18216018. The transcript is supported by BC016333.1, which is processed at an internal polyA site compared to other transcripts at this locus. The mRNA AK074112.1 also contains the same CDS. However, because the latter mRNA has additional 3' exon structure and the stop codon is present in an internal exon, that transcript is expected to be subject to nonsense-mediated mRNA decay (NMD), whereas transcripts processed at the internal polyA site are predicted to be translated.