

Product datasheet for **RG213824**

CCNL2 (NM_030937) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CCNL2 (NM_030937) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	CCNL2
Synonyms:	ANIA-6B; CCNM; CCNS; HCLA-ISO; HLA-ISO; PCEE; SB138
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG213824 representing NM_030937
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGCGGGCGGCGGCGGCGGCTGGTGTGCAGGGTCGCGAGCTCCCGGGCAGCGGCCGCGCCCGG
 GATCTGGGGCGCACCTCAGGGTCGCGAGGGGTGCTGATCGGGACAGGCTGTACTCCGGGTGCTCAT
 CACCTTGAGAACTGCCTCCTGCCTGACGACAAGCTCCGTTTCACGCGCTCCATGTCGAGCGCCTCGAC
 ACCGACACAGAGACCGACCTCCGCGTGGTGGGCTGCGAGCTCATCCAGGCGCGCGGTATCCTGCTCCGCC
 TGCCGAGGTGGCCATGGCTACCGGCAGGTGTTGTTCCAGCGTTCTTTTATACCAAGTCTTCGTGAA
 GCACTCCATGGAGCATGTGTCAATGGCCTGTGTCCACCTGGCTTCCAAGATAGAAGAGGCCCAAGACGC
 ATACGGGACGTCATCAATGTGTTTACCAGCTTCGACAGCTGAGAGACAAAAGAAGCCCGTGCCTCTAC
 TACTGGATCAAGATTATGTTAATTTAAAGAACCAATTATAAAGCGGAAAGACGAGTTCTCAAAGATT
 GGGTTTCTGCGTCCATGTGAAGCATCTCATAAGATAATCGTTATGTACCTTCAGGTGTTAGAGTGTGAG
 CGTAACCAACACCTGGTCCAGACCTCATGGAATTACATGAACGACAGCCTTCGCACCGACGCTCTCGTGC
 GGTCCAGCCAGAGAGCATCGCCTGTGCCTGCATTTATCTTGCTGCCCGACGCTGGAGATCCCTTTGCC
 CAATCGTCCCCATTGGTTTCTTTTGGTGGAGCAACTGAAGAAGAAATTCAGGAAATCTGCTTAAAGATC
 TTGAGCTTTATGCTCGGAAAAGGTTGATCTCACACCTGGAGGGTGAAGTGGAAAAAGAAAGCAGC
 CTATCGAAGAGGCAAAGGCCCAAGCCCGGGGCTGTTGCCTGGGGCACACAGGTGCTGGATGGTACCTC
 GGGTTCTCTCCTGCCCAAGCTGGTGAATCCCCAAAGAAGTAAAGGGAGCAAGCCTTCCCCTG
 TCTGTGAAGAACCAAGAGGAGGCTGGAGGGCGCAAGAAGCAAGGGGACAGCCCCGTGAACGGCT
 TGCCAAAGGGGCGAGAGAGTCGAGTCGAGCCGAGCCGTGAGCAGAGCTACTCGAGTCCCCATCCCG
 ATCAGCGTCTCCTAAGAGGAGGAAAAGTGACAGCGGCTCCACATCTGGTGGGTCCAAGTCGACAGCGCC
 TCCCGGAGCAGGAGTGACTCCCCACGAGACAGGCCCGCCCGCAGCGCTCCCTACAAGGCTCTGAGATTC
 GGGGCTCCCGAAGTCCAAGGACTGCAAGTACCCCCAGAAGCCACACAAGTCTCGGAGCCGGAGTTCTTC
 CCGTTCTCGAAGCAGGTACGGGAGCGGGCGGATAATCCGGGAAAATACAAGAAGAAAAGTCATTACTAC
 AGAGATCAGCGACGAGAGCGCTCGAGGTCGTATGAACGCACAGGCCGTCGCTATGAGCGGGACCACCCTG
 GGCACAGCAGGCATCGGAGG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG213824 representing NM_030937
 Red=Cloning site Green=Tags(s)

MAAAAAAGAAGSAAPAAAAGAPGSGGAPSGSQVLIIGDRLYSGVLITLENCLLPDDKLRFTPSMSSGLD
 TDTETDLRVVGCCELIIQAAGILLRLPQVAMATGQVLFQRFYTKSFVKHSMHVSMACVHLASKIEEAPRR
 IRDVINVFHRLRQLRDKKPVPLLLDQDYVNLKNQIIKAERRVLKELGFCVHVKHPHKIIVMYLQVLECE
 RNQHLVQTSWNYMNSLRTDVFVRFQPEAIACACIYLAARTLEIPLPNRPHWLLFGATEEEIEICLKI
 LQLYARKKVDLTHLEGEVEKRKHAIIEEAKAQARGLLPGGTQVLDGTSGFSPAPKLVESPKEGKGSKPSPL
 SVKNTKRRLEGAKKADSPVNGLPKGRSRSRSRSREQSYRSRSPRSASPKRRKSDSGSTSGGSKSQSR
 SRSRSDSPPRQAPRSAPYKGEIRGSRKSKDCKYPQKPHKSRSSRSRSPRERADNPGYKKKSHYY
 RDQRRERSRSYERTGRRYERDHPGHSRHR

TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-MluI

ACCN:	NM_030937
ORF Size:	1560 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_030937.6
RefSeq Size:	3107 bp
RefSeq ORF:	1563 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]