

Product datasheet for **RG203289**

CCNL1 (NM_020307) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CCNL1 (NM_020307) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	CCNL1
Synonyms:	ania-6a; ANIA6A; BM-001; PRO1073
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG203289 representing NM_020307
 Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGGCGCGCC

ATGGCGTCCGGGCTCATTTCGACAGCTACTGCTGCCGAGCCGCCTCATCGGCCGCCCAAGCGCGGGC
 GCTCCAGCTCCGGGACGACGACCACGACGACGACCACGACGGGAGGGATCCTGATCGGCGATCGCCTGTA
 CTCGGAAGTTTCACTTACCATCGACCCTCTCTGATTCCGGAGGAGAGGCTCTCGCCACCCCATCCATG
 CAGGATGGGCTCGACCTGCCAGTGAGACGGACTTACGCATCCTGGGCTGCGAGCTCATCCAGGCCGCCG
 GCATTCTCCTCCGGCTGCCGAGGTGGCGATGGCAACGGGGCAGGTGTTGTTTCATCGTTTTTCTACTC
 CAAATCTTTCGTCAAACACAGTTTCGAGATTGTTGCTATGGCTTGTATTAATCTTGCATCAAAAATCGAA
 GAAGCACCTAGAAGAATAAGAGATGTGATTAATGTATTCCACCACCTCCGCCAGTTAAGAGGAAAAAGGA
 CTCGAAGCCCTGATCCTTGATCAGAATAACACCAAAAATCAAGTTATCAAAGCAGAGAGGAG
 GGTGCTAAAGGAGTTGGGATTTTGTGTTTATGTCAGCATCCTCATAAGATCATTGTTATGTATTTACAA
 GTCTTAGAATGTGAACGTAATCAAACCTGGTTCAAACCTGCCTGGAATTACATGAATGACAGTCTTCGAA
 CCAATGTGTTTGTTCGATTTCAACCAGAGACTATAGCATGTGCTTGCATCTACCTTGCAGCTAGAGCACT
 TCAGATCCGTTGCCAATCGTCCCAATTGGTTTCTTCTTTTGGTACTACAGAAGGAAATCCAGGAA
 ATCTGCATAGAAACACTTAGGCTTTATACCAGAAAAAGCCAAATATGAATTACTGGAAAAAGAAGTAG
 AAAAAAGAAAAGTAGCCTTACAAGAAGCCAAATTAAGCAAGGGATTGAATCCGGATGGAACCTCAGC
 CCTTCAACCTGGGTGGATTTTCTCCAGCCTCAAGCCATCATCAAGAGAAAGTAAAAGCTGAAGAG
 AAATCACCAATCTCCATTAATGTGAAGACAGTCAAAAAAGAACCTGAGGATAGACAACAGGCTTCCAAAA
 GCCCTTACAATGGTGTAAAGAAAAGACAGCAAGAGAAGTAAAGTACAGAAAGTCAAGTGCATCGAGGTC
 AAGAACACGATCACGTTCTAGATCACATACTCCAAGAAGACACTATAATAATAGGCGGAGTCGATCTGGA
 ACATACAGCTCGAGATCAAGAAGCAGGTCCCGAGTCACAGTGAAGCCCTCGAAGACATCATAATCATG
 GTTCTCCTCACCTAAGGCCAAGCATACCAGAGATGATTTAAAAAGTTCAAACAGACATGGTCATAAAAAG
 GAAAAATCTCGTTCTCGATCTCAGAGCAAGTCTCGGGATCACTCAGATGCAGCCAAGAAACACAGGCAT
 GAAAGGGGACATCATAGGGACAGGCGTGAACGATCTCGCTCCTTTGAGAGGTCCCATAAAAGCAAGCACC
 ATGGTGGCAGTCGCTCAGGACATGGCAGGCACAGGCGC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG203289 representing NM_020307
 Red=Cloning site Green=Tags(s)

MASGPHSTATAAAAASSAAPSAGGSSSGTTTTTTTTTGGILIGDRLYSEVSLTIDHSLIPEERLSPTPSM
 QDGLDLPSETDLRILGCELIQAAGILLRPLQVAMATGQVLFHRFFYKSFVKHSFEIVAMACINLASKIE
 EAPRRIRDVINVFHHLRQLRGKRTPSPLILDQNYINTKNQVIKAERRVLKELGFCVHVKHPHKIIIVMYLQ
 VLEECERNQTLVQTAWNYMNSLRTNVFVRFQPETIACACIYLAARALQIPLPTRPHWFLFQTTEEEIQE
 ICIETRLRLYTRKKPNYELLEKEVEKRVKVALQEAKLKAKGLNPDGTPALSTLGGFSPASKPSSPREVKAEE
 KSPISINVKTVKKEPEDRQQASKSPYNGVRKDSKRSRNSRSASRSRSTRSRSRSHTPRRHNNRRSRSG
 TYSSRSRSHSESPRRHHNHGSPHLKAKHTRDDLKSSNRHGHKRSRSRSQSKSRDHSDAAKKHRH
 ERGHRDRRERSRSFERSHKSKHHGGSRSRSGHRHR

TRTRPLE - GFP Tag - V

Restriction Sites:

Ascl-MluI

ACCN:	NM_020307
ORF Size:	1578 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_020307.4
RefSeq Size:	2625 bp
RefSeq ORF:	1581 bp
Locus ID:	57018
UniProt ID:	Q9UK58
Cytogenetics:	3q25.31
Domains:	CYCLIN, cyclin
Protein Families:	Druggable Genome
Gene Summary:	Involved in pre-mRNA splicing. Functions in association with cyclin-dependent kinases (CDKs) (PubMed:18216018). Inhibited by the CDK-specific inhibitor CDKN1A/p21 (PubMed:11980906). May play a role in the regulation of RNA polymerase II (pol II). May be a candidate proto-oncogene in head and neck squamous cell carcinomas (HNSCC) (PubMed:12414649, PubMed:15700036).[UniProtKB/Swiss-Prot Function]