

## Product datasheet for **RG211148**

### Cyclin A2 (CCNA2) (NM\_001237) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Cyclin A2 (CCNA2) (NM_001237) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Cyclin A2
Synonyms:	CCN1; CCNA
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG211148 representing NM_001237 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGTTGGCAACTCTGCGCCGGGCTGCGACCCGCGAGGCGGGCTCGCGCTGCTAGCATTGCAGCAGA  
CGGCGCTCCAAGAGGACCAGGAGAATATCAACCCGAAAAGGCAGCGCCCGTCCAACAACCGCGGACCCG  
GGCCGCGCTGGCGGTACTGAAGTCCGGAAACCCGCGGGTCTAGCGCAGCAGCAGAGGCCGAAGACGAGA  
CGGTTGCACCCCTTAAGGATCTTCTGTAATGATGAGCATGTCACCGTTCCTCCTTGAAAGCAAACA  
GTAACAGCCTGCGTTCACCATTCATGTGGATGAAGCAGAAAAAGAAGCTCAGAAGAAGCCAGCTGAATC  
TCAAAAAATAGAGCGTGAAGATGCCCTGGCTTTAATTCAGCCATTAGTTTACCTGGACCCAGAAAACCA  
TTGGTCCCTCTTGATTATCCAATGGATGGTAGTTTTGAGTCACCACATACTATGGACATGCAATTGTAT  
TAGAAGATGAAAAGCCAGTGAGTGTAAATGAAGTACCAGACTACCATGAGGATATTCACACATACCTTAG  
GGAAATGGAGGTTAAATGTAAACCTAAAGTGGTTACATGAAGAAACAGCCAGACATCACTAACAGTATG  
AGAGCTATCCTCGTGGACTGGTTAGTTGAAGTAGGAGAAGAATATAAACTACAGAATGAGACCCTGCATT  
TGGCTGTGAACACTATTGATAGGTTCTGTCTCCATGTCAGTGCTGAGAGGAAAACCTCAGCTTGTGGG  
CACTGCTGCTATGCTGTTAGCCTCAAAGTTTGAAGAAATATACCCCCAGAAGTAGCAGAGTTTGTGTAC  
ATTACAGATGATACCTACACCAAGAAACAAGTTCTGAGAATGGAGCATCTAGTTTTGAAAGTCCTTACTT  
TTGACTTAGCTGCTCCAACAGTAAATCAGTTTCTTACCAATACTTTCTGCATCAGCAGCCTGCAAACTG  
CAAAGTTGAAAGTTTAGCAATGTTTTGGGAGAATTAAGTTTGTAGATGCTGACCCATACCTCAAGTAT  
TTGCCATCAGTTATTGCTGGAGCTGCCTTTTATTAGCACTCTACACAGTCACGGGACAAAGCTGGCCTG  
AATCATTAAATACGAAAGACTGGATATACCTGGAAAGTCTTAAGCCTTGCTCATGGACCTTACCAGAC  
CTACCTCAAAGCACACAGCATGCACAACAGTCAATAAGAGAAAAGTACAAAAATTCAAAGTATCATGGT  
GTTTCTCTCTCAACCCACCAGACACTAAATCTG

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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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\\_001237.4](#)

**RefSeq Size:** 1682 bp

**RefSeq ORF:** 1299 bp

**Locus ID:** 890

**UniProt ID:** [P20248](#)

**Cytogenetics:** 4q27

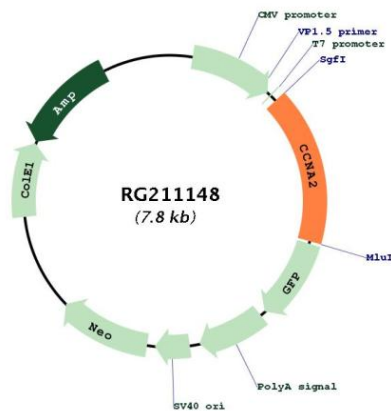
**Domains:** cyclin\_C, CYCLIN, cyclin

**Protein Families:** Druggable Genome, Stem cell - Pluripotency

**Protein Pathways:** Cell cycle, Progesterone-mediated oocyte maturation

**Gene Summary:** The protein encoded by this gene belongs to the highly conserved cyclin family, whose members function as regulators of the cell cycle. This protein binds and activates cyclin-dependent kinase 2 and thus promotes transition through G1/S and G2/M. [provided by RefSeq, Aug 2016]

### Product images:



Circular map for RG211148