

## Product datasheet for **RG201186**

### Cyclin (CCNI) (NM\_006835) Human Tagged ORF Clone

#### Product data:

|                           |   |
|---------------------------|---|
| Product Type:             | Expression Plasmids   |
| Product Name:             | Cyclin (CCNI) (NM_006835) Human Tagged ORF Clone                            |
| Tag:                      | TurboGFP  |
| Symbol:                   | CCNI  |
| Synonyms:                 | CCNI1; CYC1; CYI  |
| Mammalian Cell Selection: | Neomycin  |
| Vector:                   | pCMV6-AC-GFP (PS100010)   |
| E. coli Selection:        | Ampicillin (100 ug/mL)  |
| ORF Nucleotide Sequence:  | >RG201186 representing NM_006835<br>Red=Cloning site Blue=ORF Green=Tags(s) |

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGAAGTTTCCAGGGCCTTTGGAAAACCAGAGATTGTCTTTCCTGTTGGAAAAGGCAATCACTAGGGAAG  
CACAGATGTGGAAAGTGAATGTGCGGAAAATGCCTTCAAATCAGAATGTTTCTCCATCCCAGAGAGATGA  
AGTAATCAATGGCTGGCCAACTCAAGTACCAATTCAACCTTTACCCAGAAACATTTGCTCTGGCTAGC  
AGTCTTTTGGATAGGTTTTAGCTACCGTAAAGGCTCATCCAAAATACTTGAGTTGTATTGCAATCAGCT  
GTTTTTCTAGCTGCCAAGACTGTTGAGGAAGATGAGAGAATCCAGTACTAAAGTATTGGCAAGAGA  
CAGTTTCTGTGGATGTTCTCATCTGAAATTTGAGAATGGAGAGAATTATTCTGGATAAGTTGAATTGG  
GATCTTACACAGCCACACCATTGGATTTTCTTATATTTTCCATGCCATTGCAGTGTCAACTAGGCCTC  
AGTTACTTTTTCAGTTTGGCCAAATTGAGCCCATCTCAACATTTGGCAGTCCCTTACCAAGCAACTACTTCA  
CTGTATGGCCTGCAACCAACTTCTGCAATTCAGAGGATCCATGCTTGCTCTGGCCATGGTTAGTCTGGAA  
ATGGAGAACTCATTCTGATTGGCTTTCTTTACAATTGAACTGCTTGACAAAGCACAGATGGATAGCT  
CCCAGTTGATCCATTGTCGGGAGCTTGTGGCACATCACCTTTCTACTCTGCAGTCTTCCCTGCCTCTGAA  
TTCCGTTTATGTCTACCGTCCCCTCAAGCACACCCTGGTGACCTGTGACAAAGGAGTGTTCCAGATTACAT  
CCCTCTCTGTCCCAGGCCAGACTTCTCAAGGACAACAGCAAGCCAGAAGTGCCAGTCAGAGGTACAG  
CAGCCTTTTACCATCATCTCCAGCTGCCAGTGGGTGCAAGCAGACCTCTACTAAACGCAAGTAGAGGA  
AATGGAAGTGGATGACTTCTATGATGGAATCAAACGGCTCTATAATGAAGATAATGTCTCAGAAAATGTG  
GGTTCTGTGTGGCACTGATTTATCAAGACAAGAGGGACATGCTTCCCTTGTCCACCTTTGCAGCCTG  
TTTCTGTCATG

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG201186 representing NM\_006835  
 Red=Cloning site Green=Tags(s)

MKFFPGPLENQRLSFLLEKAITREAAQMWKVNVRKMPNSQNVSPSQRDEVIQWLAKLKYQFNLYPETFALAS  
 SLLDRFLATVKAHPKYLSCIAISCFFLAAKTVEEDERIPVLKVLARDSFCGCSSEILRMERIILDKLNW  
 DLHTATPLDFLHIFHAIIVSTRPQLLFLSPKLSPSQHLAVLTKQLLHCMACNQLLQFRGSMALAMVSL  
 MEKLIIPDWLSLTIELLQKAQMDSSQLIHCRELVAHHLSTLQSSLPLNSVYVYRPLKHTLVTCDKGVFRLH  
 PSSVPGPDFSKDNSKPEVVRGTAIFYHHLPAASGCKQTSTKRKVEEMEVDDFYDGIKRLYNEDNVS  
 GSVCGTDLRSRQEGHASPCLPQPVSVM

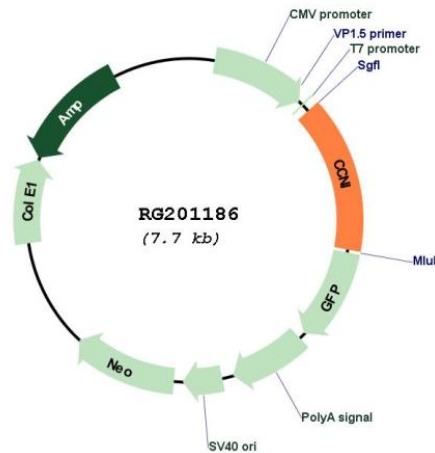
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM\_006835

|                               |  |
|-------------------------------|--|
| <b>ORF Size:</b>              | 1131 bp  |
| <b>OTI Disclaimer:</b>        | 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. <a href="#">More info</a>   |
| <b>OTI Annotation:</b>        | This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.   |
| <b>Components:</b>            | 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).   |
| <b>Reconstitution Method:</b> | <ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>  |
| <b>RefSeq:</b>                | <a href="#">NM_006835.3</a>  |
| <b>RefSeq Size:</b>           | 1890 bp  |
| <b>RefSeq ORF:</b>            | 1134 bp  |
| <b>Locus ID:</b>              | 10983  |
| <b>UniProt ID:</b>            | <a href="#">Q14094</a>   |
| <b>Cytogenetics:</b>          | 4q21.1   |
| <b>Domains:</b>               | CYCLIN, cyclin   |
| <b>Gene Summary:</b>          | The protein encoded by this gene belongs to the highly conserved cyclin family, whose members are characterized by a dramatic periodicity in protein abundance through the cell cycle. Cyclins function as regulators of CDK kinases. Different cyclins exhibit distinct expression and degradation patterns which contribute to the temporal coordination of each mitotic event. This cyclin shows the highest similarity with cyclin G. The transcript of this gene was found to be expressed constantly during cell cycle progression. [provided by RefSeq, Jan 2017] |