

Product datasheet for **MG203177**

Ccng1 (BC005534) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Ccng1 (BC005534) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Ccng1
Synonyms: Ccng, cyclin G
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG203177 representing BC005534
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGACTGCAAGATTACGGGACTTTGAAGTAAAAGATCTACTTAGTCTAACTCAGTTCCTTTGGCTTTGACA
CGGAGACATTTCCCTAGCTGTGAATTTACTGGACAGATTCTTGTCTAAAATGAAGGTACAGGCGAAGCA
TCTTGGGTGTGTTGGACTGAGCTGCTTTTATTTGGCTGTGAAAGCGACTGAAGAGGAAAGGAATGTCCCA
CTGGCGACTGATTTGATCCGAATAAGTCAGTATAGGTTACGGTTTCAGACCTGATGAGAATGGAGAAGA
TTGTGTTGGAGAAAGTGTGTTGAAAGTCAAAGCTACTACTGCCTTTCAATTTCTGCAGCTCTATTATTC
ACTCGTTCACGACACCTTGCCATTTGAGAGGAGAAACGATCTGAATTTTGAAGACTAGAAGCCCAACTT
AAGGCCTGCCACTGCAGGATCATATTTTCTAAGGCAAAGCCTTCTGTGCTGGCGCTATCTATCCTTGCGT
TGGAGATCCAAGCACTGAAATACGTAGAGTTAACAGAAGGAGTAGAATGTATTGAGAAACATTCCAAGAT
AAGTGGCCGAGATTTGACCTTCTGGCAAGAGCTTGTTCAGAGTGTAACTGAAATTCATCAAACAAG
TGCTCAAACCTAACGGTCAGAAGTTGAAATGGATTGTGTCTGGACGCACTGCACGGCAACTGAAGCACA
GTTATTATAGAATAACTCACCTCCCAACGATTCTGAGACCATTGT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG203177 representing BC005534
Red=Cloning site Green=Tags(s)

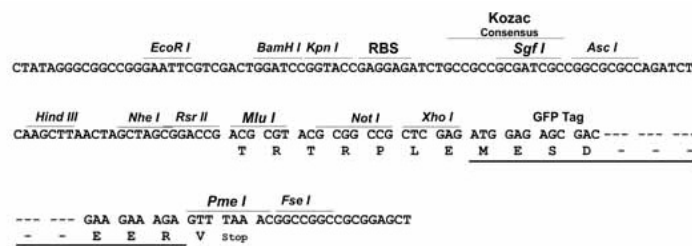
MTARLRDFEVKDLLSLTQFFGFDTEFSLAVNLLDRFLSKMKVQAKHLGCVGLSCFYLAVKATEEERNVP
 LATDLIRISQYRFTVSDLMRMEKIVLEKVCWKVKATTAFLQLYYSLVHDTLPFERRNDLNFERLEAQL
 KACHCRIIFSKAKPSVLALSILALEIQALKYVELTEGVECIQKHSKISGRDLTFWQELVSKCLTEYSSNK
 CSKPNGQKQKWIIVSGRTARQLKHSYYRITHLPTIPETIC

TRTRPLE - GFP Tag - V

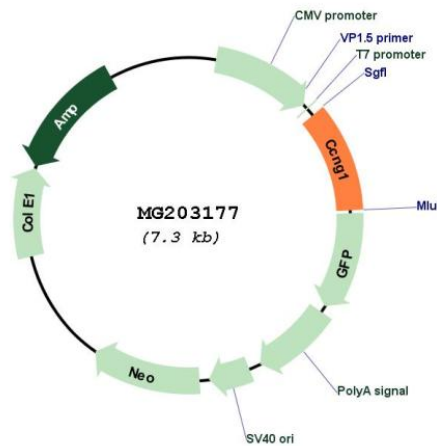
Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



Plasmid Map:



ACCN: BC005534

ORF Size: 749 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:	BC005534 , AAH05534
RefSeq Size:	3151 bp
RefSeq ORF:	749 bp
Locus ID:	12450
Cytogenetics:	11 A5
Gene Summary:	May play a role in growth regulation. Is associated with G2/M phase arrest in response to DNA damage. May be an intermediate by which p53 mediates its role as an inhibitor of cellular proliferation.[UniProtKB/Swiss-Prot Function]