

Product datasheet for **MG222139**

Ccng1 (NM_009831) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Ccng1 (NM_009831) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Ccng1
Synonyms: AI314029
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG222139 representing NM_009831
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGATAGAAGTACTGACAACTGACTCTCAGAACTGCTACACCAGCTGAACACCCTGTTGGAACAGGAGT
CTAGATGTCAGCCAAAGGTCTGCGGCTTGAACTAATTGAGTCGGCCCATGATAATGGCCTCAGAATGAC
TGCAAGATTACGGGACTTTGAAGTAAAAGATCTACTTAGTCTAACTCAGTTCCTTTGGCTTTGACACGGAG
ACATTTCCCTAGCTGTGAATTTACTGGACAGATTCTTGTCTAAAATGAAGGTACAGGCCAAGCATCTTG
GGTGTGTTGGACTGAGCTGCTTTTATTTGGCTGTGAAAGCGACTGAAGAGGAAAGGAATGTCCCACTGGC
GACTGATTTGATCCGAATAAGTCAGTATAGGTTACGGTTTCAGACCTGATGAGAATGGAGAAGATTGTG
TTGGAGAAAGTGTGTTGAAAGTCAAAGCTACTACTGCCTTTCAATTTCTGCAGCTCTATTATTTCACTCG
TTCACGACACCTTGCCATTTGAGAGGAGAAACGATCTGAATTTTGAAAGACTAGAAGCCCACTTAAGGC
CTGCCACTGCAGGATCATATTTCTAAGGCAAAGCCTTCTGTGCTGGCGCTATCTATCCTTGCCTGGAG
ATCCAAGCACTGAAATACGTAGAGTTAACAGAAGGAGTAGAATGTATTGAGAAACATTCCAAGATAAGTG
GCCGAGATTTGACCTTCTGGCAAGAGCTTGTTCCAAGTGTAACTGAATTTCAATCAACAAGTGCTC
CAAACCTAACGGTCAGAAGTTGAAATGGATTGTGTCTGGACGCACTGCACGGCAACTGAAGCACAGTTAT
TATAGAATAACTCACCTCCCAACGATTCTGAGACCATTGT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG222139 representing NM_009831
Red=Cloning site Green=Tags(s)

MIEVLTTDSQKLLHLQNTLLEQESRCQPKVCGCLKLIESAHDNGLRMTARLRDFEVKDLLSLTQFFGFDT
 TFSLAVNLLDRFLSKMKVQAKHLGCVGLSCFYLAVKATEEERNVPLATDLIRISQYRFTVSDLMRMEKIV
 LEKVCWKVKATTAFLQFLQYSLVHDTLPFERRNDLNERLEAQLKACHCRIIFSKAKPSVLALSILALE
 IQALKYVELTEGVECIQKHSKISGRDLTFWQELVSKCLTEYSSNKCSKPNGQKWKWIVSGRTARQLKHSY
 YRITHLPTIPETIC

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_009831

ORF Size: 882 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:

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_009831.2](#), [NP_033961.1](#)

RefSeq Size: 3501 bp

RefSeq ORF: 885 bp

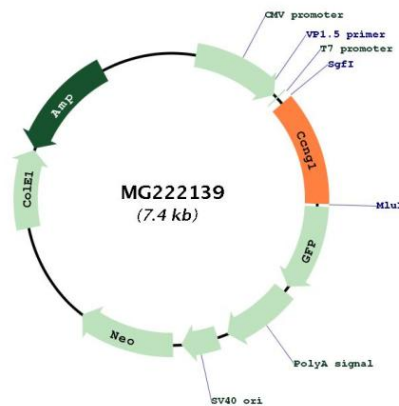
Locus ID: 12450

UniProt ID: [P51945](#)

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]

Product images:



Circular map for MG222139