

Product datasheet for **MG205174**

Ccng2 (NM_007635) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Ccng2 (NM_007635) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Ccng2
Synonyms: MGC113793
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG205174 representing NM_007635
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAAGGATTTGGGGCCAAGCACTTGGCAGGTGGCGAAGGGTTTCAGCTTTTCGGATTGTTGAACTTCT
ACCTGGAACAAGAACAGAGATACCAACCTCGGGAAAAAGGGCTGATCTTGATGGAGGCTACCCCGGAGAA
TGATAACACTTTGTGTTCAAGACTGAGAAATGCCAAAGTGAAGATTTAAGAAGTTAACTAACTCTTT
GGATCTGGCACTGAAACTTTCGTTCTGGCTGTCAATATTTGGATAGATTCTTGGCCCTTATGAAGGTGA
AACCGAAACACCTGTCTGCATTGGCGTCTGCTGCTTTTTGCTGGCCGCCAGGCTGGCGGAAGAAGAAGG
TGACGTTCCCCCACGCACGATGTGATCCGCATCAGTCAGTGAAATGCACAGCGTCTGACATTAACGC
ATGGAGAAAATCATCTCAGAGAACTGCACTATGAGCTGGAAGCTACCACTGCCTTAAACTTTTTGCACT
TGTACCACGCGATTGATTTTTGTACACTTCAGAAAGGAAGGAGATTCTCAGCCTCGATAAACTCGAAGC
GCAGCTGAAAGCTTGCAACTGCCGAGTTGTCTTCTCAAAGCAAGACCATCTGTATTAGCTCTGTGCCTT
CTCAATTTGAAATAGAAACGATAAAATCCGTGGAAGTCTGTTGAAATCTCTTGTGTTAAAAAACATT
TGAAGCTCAGCGACACTGAATCTTTTACTGGAGGGAAGTGGTTTCTAAATGTCTAGCAGAGTATTCTTC
GCCTCGCTGCTGCAAGCCTGATCTGAAGAAGCTGGTATGGATTGTTTCGCGACGCACTGCCGAGAACCTC
CACAGCAGCTACTACAGTGTTCCTGAGCTGCCACTATCCCAGAGGGGGTTGCTTTGACGGAAGTGAAA
GTGAGGACTCTGGTGAAGACATGAGTTGTGGAGAGGAGAGTCTCAGCAGCTCCCCACCGCATCAGGA
GTGCACCTTCTTCTTACTTCCAAGTGGCTCAGACACTGTGCTTTCCACCA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG205174 representing NM_007635
Red=Cloning site Green=Tags(s)

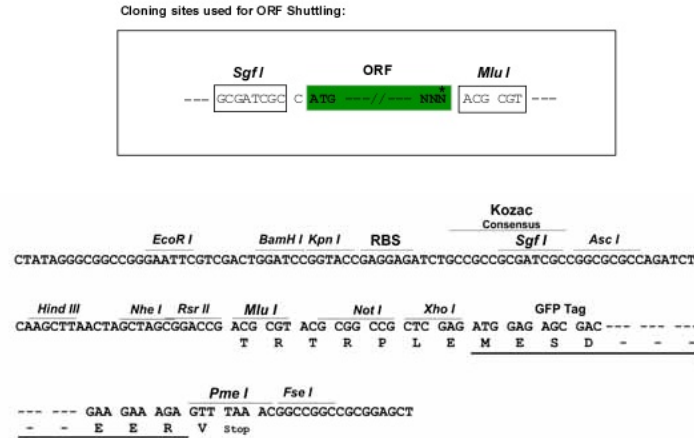
MKDLGAKHLAGGEGVQLFGLLNFYLEQEQRYPREKGLILMEATPENDNTLCSRLRNAKVEDLRSLTNFF
 GSGTETFVLAVNILDRLALMKVKPKHLSCIGVCCFLAARLAEEEGDVPPTHVIRISQCKCTASDIKR
 MEKIISEKLYHELEATTALNFLHLHYHAIVFCHTSERKEILSLDKLEAQLKACNCRVVF SKARPSVLALCL
 LNLEIETIKSVELLEILLLVKKHLKLSDEFFYWREL VSKCLAEYSSPRCCKPDLKLVWIVSRRTAQN
 HSSYYSVPELPTIPEGGCFDGESESDSGEDMSCGEEESLSSPPSDQECTFFFDFQVAQTLCFPP

TRTRPLE - GFP Tag - V

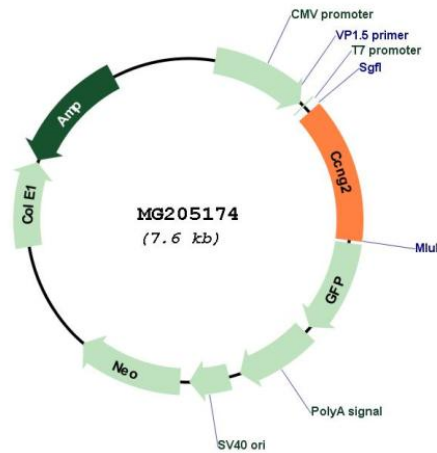
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_007635

ORF Size: 1032 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_007635.4 , NP_031661.3
RefSeq Size:	2805 bp
RefSeq ORF:	1035 bp
Locus ID:	12452
UniProt ID:	O08918
Cytogenetics:	5 E2
Gene Summary:	May play a role in growth regulation and in negative regulation of cell cycle progression. [UniProtKB/Swiss-Prot Function]