

Product datasheet for **MG206360**

Ccne2 (NM_001037134) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ccne2 (NM_001037134) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Ccne2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG206360 representing NM_001037134 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTCAAGACGCAGCCGTTTACAAGCTAAGCAACATGCCAGCCCAACCAGCCAGACTCTCCGCAAGAAA
CCCAGATAATTCAGGCCAAGAAGAGAAAAACAGCACAGGATGTCAAAAAAGAAAAGAGGAGATCACCAA
GAAGCATCAGTATGAGATTAGGAATTGTTGGCCACCTGTACTGTCTGGAGGAATCAGCCCTTGCATTATC
ATTGAAACACCCATAAAGAAAATAGGAACAAGTGACTTCTCTAGATTTACAAATTACAGATTTAAAAATC
TTTTTATTAATCCCTCACCTCTGCCAGATTTAAGCTGGGCATGTTACAGGAGGTTTGGCAAACATGTT
ACAAAAGGAAAACAGATACGTGCATGACAAACATTTTCAAGTTCTGCATTCTGACCTGGAACCACAGATG
AGGTCAATACTTTTAGACTGGCTTTTAGAGTTTGTGAAGTATACACTTTCATAGGGAGACATTTTACC
TTGCCAAGACTTTTTGACAGATTTATGTTGACACAAAAGGATGTAATAAAAAATATGCCTCAACTCAT
TGGGATTACCTCATTGTTTCATTGCTTCCAACTTGAGGAAATCTACGCTCCTAACTCCAAGAGTTTGCT
TACGCTACTGATGGTGCTTGCAGTGAAGTAGATATCTTAAAGGTGGAACCTCAATATATTAAGGCTTTAA
AATGGGAACCTTGTCCAGTAACAGTCATCTCCTGGTTGAATCTTTTTCTCAAGTTGATGCTGTTAAGA
TGTTCTAAGGTTCTTCTGCCTCAATATCTCAGGAGACGTTCCATCCAGATAGCTCAGCTTTTAGATCTG
TGCATTCTAGCCATCGACTCTTTAGAATTTCAATACAGAATCTGGTTGCTGCCGCTTATGTCATTTTA
CCTCCATTGAAGTGGTTAAGAAAGCTTCAGGTTTGAATGGGATGACATCTCGGAATGTGTAGACTGGAT
GGTGCCTTTTGTAGTGTGTAAAAAGTGTGAGTCCAGTGAAGCTGAAGACTTTTAAAGAGATACCCATG
GAAGATAGACACAATATCCAGACACACAAAATATTTGGCTTTGCTGAATGAAGTAAACTATGTGAACA
TCTACAGAAAAGGAGGGCAGCTGTACCAGTGTGTAATGGAGGCATTATGACACCACCAAAGAGTACTGA
AAAACCACCAGGAAAACAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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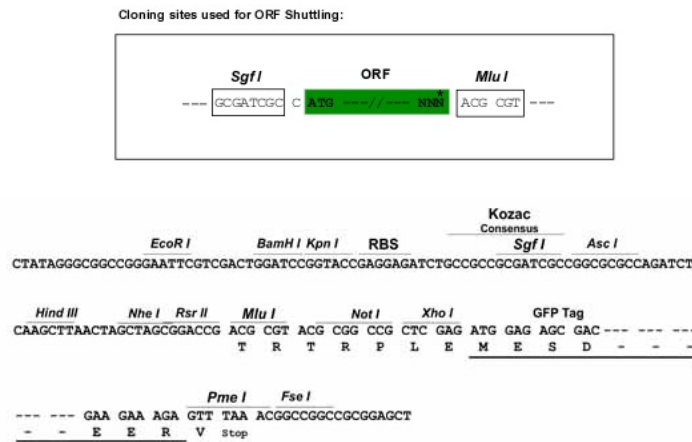
Protein Sequence: >MG206360 representing NM_001037134
 Red=Cloning site Green=Tags(s)

MSRRSRLQAKQHAQPNQPDSPQETQIIQAKKRKTAQDVKKRKEEITKKHQYEIRNCWPPVLSGGISPCII
 IETPHKEIGTSDFSRFTNYRFKNLFINPSPLDLSWACSQEVWQNLQKENRYVHDKHFQVLHSDLEPQM
 RSILLDWLLEVCVYTLHRETFYLAQDFDFRMLTQKDVNKNMPQLIGITSLFIAASKLEEIYAPKLQEFA
 YVTDGACSEVDILKVELNILKALKWELCPVTVISWLNLFLOQDAVKDVPKVLPLPQYSQETFQIAQLLDL
 CILAIIDSLFQYRILVAAALCHFTSIEVVKKASGLEWDDISECDWMVFPVSVVKSVPVKLKTFFKKIPM
 EDRHNIQTHNTYLALLNEVNYVNIYRKGQQLSPVCNGGIMTPPKSTEKPPGKH

TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-MluI

Cloning Scheme:



ACCN: NM_001037134

ORF Size: 1212 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_001037134.1](#), [NP_001032211.1](#)

RefSeq Size: 3013 bp

RefSeq ORF: 1215 bp

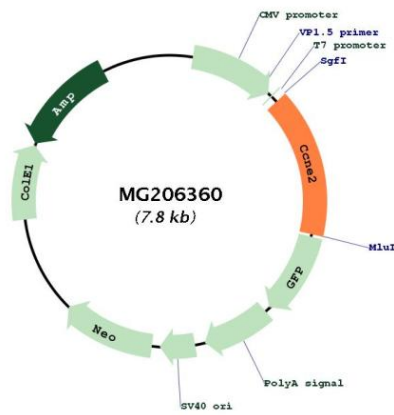
Locus ID: 12448

UniProt ID: [Q9Z238](#)

Cytogenetics: 4 A1

Gene Summary: Essential for the control of the cell cycle at the late G1 and early S phase.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MG206360