

Product datasheet for **MG223497**

Ccne2 (NM_009830) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
 Product Name: Ccne2 (NM_009830) 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: >MG223497 representing NM_009830
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGTCAAGACGCAGCCGTTTACAAGCTAAGCAACATGCCAGCCCAACCAGCCAGACTCTCCGCAAGAAA
 CCCAGATAATTCAGGCCAAGAAGAGAAAAACAGCACAGGATGTCAAAAAAGAAAAGAGGAGATCACCAA
 GAAGCATCAGTATGAGATTAGGAATTGTTGGCCACCTGTACTGTCTGGAGGAATCAGCCCTTGCAATATC
 ATTGAAACACCCATAAAGAAAATAGGAACAAGTGACTTCTCTAGATTTACAAATTACAGATTTAAAAATC
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 AAAAAAGGAAAAACAGATACGTGCATGACAAACATTTTCAAGTTCTGCATTCTGACCTGGAACCACAGATG
 AGGTCAATACTTTTAGACTGGCTTTTAGAGTTTGTGAAGTATACACTTTCATAGGGAGACATTTTACC
 TTGCCAAGACTTTTTGACAGATTTATGTTGACACAAAAGGATGTAATAAAAAATATGCCTCAACTCAT
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 TGTTCCTAAGGTTCTTCTGCCTCAATATCTCAGGAGACGTTCCAGATAGCTCAGCTTTTAGATCTG
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 GGTGCCTTTTGTAGTGTGTAAAAAGTGTGAGTCCAGTGAAGCTGAAGACTTTTAAGAAGATACCCATG
 GAAGATAGACACAATATCCAGACACACAAAATATTTGGCTTTGCTGAATGAAGTAAACTATGTGAACA
 TCTACAGAAAAGGAGGGCAGCTGTACCAGTGTGTAATGGAGGCATTATGACACCACAAAGAGTACTGA
 AAAACCACCAGGAAAACAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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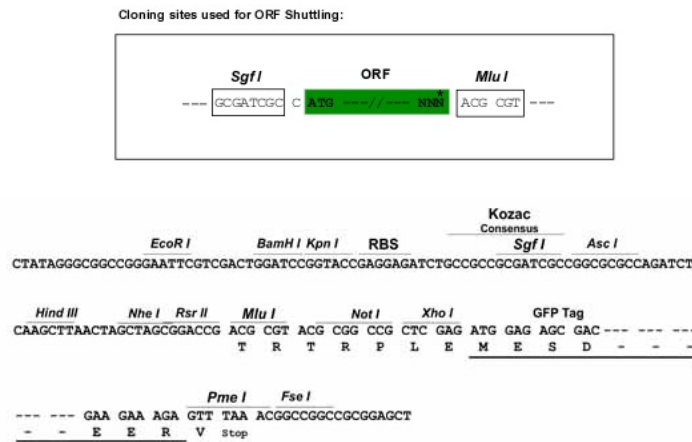
Protein Sequence: >MG223497 representing NM_009830
Red=Cloning site Green=Tags(s)

```
MSRRSRLQAKQHAQPNQPDSPQETQIIQAKKRKTAQDVKKRKEEITKKHQYEIRNCWPPVLSGGISPCII
IETPHKEIGTSDFSRFTNYRFKNLFINPSPLPDLSWACSQEVWQNLQKENRYVHDKHFQVLHSDLEPQM
RSILLDWLLEVEVYTLHRETFYLAQDFDFRMLTQKDVNKNMPQLIGITSLFIAASKLEEIYAPKLQEFAY
YVTDGACSEVDILKVELNILKALKWELCPVTVISWLNLFLOQDVAVKDVPKVLPLPQYSQETFQIAQLLDL
CILAIDSLEFYRILVAAALCHFTSIEVVKKASGLEWDDISECDWMVFPVSVVKSVPVKLKTFFKKIPM
EDRHNIQTHTNYLALLNEVNYVNIYRKGQQLSPVCNGGIMTPPKSTEKPPGKH
```

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_009830

ORF Size: 1209 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_009830.3](#), [NP_033960.1](#)

RefSeq Size: 3023 bp

RefSeq ORF: 1212 bp

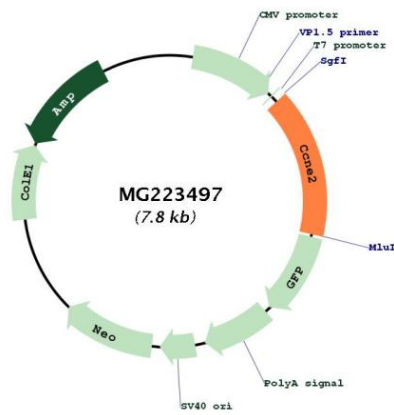
Locus ID: 12448

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 MG223497