

## Product datasheet for MR226185

### Ccne1 (NM\_007633) Mouse Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Ccne1 (NM\_007633) Mouse Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** Ccne1  
**Synonyms:** AW538188; CycE1  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**ORF Nucleotide Sequence:** >MR226185 representing NM\_007633  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGCCAAGGGAGAGAGACTCGACGGACCACAGCAACATGAAAGAAGAAGGTGGCTCCGACCTTTCAGTCC  
 GCTCCAGAAAAAGGAAGGCAAAATGTGGCCGTGTTTTGCAAGACCCAGATGAAGAAATTGCCAAGATTGA  
 CAAGACTGTGAAAAGCGAGGATAGCAGTCAGCCCTGGGATGATAATTCAGCATGCGTGGACCCCTGCTCT  
 TTCATCCCCACCCTAACAAAGAAGAGGACAATGAGCTTGAATACCCAGGACTGCATTTACGCCTCGGA  
 AAATCAGACCACCCAGAGCCTCCCACTCCCGTCTTGAATGGGCAATAGAGAAGAGGTTTGGAGGAT  
 CATGTTAAACAAAGAAAAGACTTACCTGAGAGATGAGCACTTTCTGCAGGTCATCCTCTCTGCAGGCC  
 AGGATGAGAGCAGTTCTTCTGGATTGGCTAATGGAGGTGTGCGAAGTCTATAAGCTCCACAGAGAGACGT  
 TCTACTTGGCACAGGACTTCTTTGATCGTTACATGGCATCACAACATAATATCATAAAAACTTTTACA  
 GCTTATTGGGATTTACGCCTTATTTATTGCTTCAAACCTTGGGAAATCTACCCTCCAAAGTTGCACCAG  
 TTTGCTTATGTTACAGATGGCGCTTGTCCGGGATGAAATCTTACCATGGAATTGATGATGATGAAGG  
 CCCTTAAGTGGCGTCTAAGCCCTCTGACCATTGTGTCTGGCTGAATGTCTATGTCCAAGTGGCCTATGT  
 CAACGACACGGGTGAGGTGCTGATGCCTCAGTACCCACAGCAGGTCTTCGTGCAGATCGCAGAGCTTCTA  
 GACCTGTGCGTCTGGATGTTGGCTGCTTAGAATTTCTTATGGTGTCTCGTCTGCTTTGTATC  
 ATTTCTCCTCACTGGAGTTGATGCAGAAGGTCTCAGGTTATCAGTGGTGCACATAGAGAAGTGTGTCAA  
 ATGGATGGTTCGGTTCGCCATGTTATCCGGGAGATGGGAAGTTCCAAGCTCAAGCACTTCCGGGGAGTC  
 CCCATGGAAGACTCCACAACTCCAGACCCACACCAACAGCTTGGATTTGCTGGACAAAGCCCAAGCAA  
 AGAAAGCCATATTGTCAGAACAGAATAGGATTTCTCCTCCTCCGAGTGTGGTCTGACACCCCCACCCAG  
 CAGTAAGAAGCAGAGCAGCGAGCAGGAGACAGAA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >MR226185 representing NM\_007633  
Red=Cloning site Green=Tags(s)

MPRERDSTDHNSMKEEGGSDLVRSRKRKANVAVFLQDPDEEIAKIDKTVKSEDSSQPWDDNSACVDPSC  
 FIPTPNKEEDNELEYPRTAFAQPRKIRPPRASPLPVLNNGNREEVWRIMLNKEKTYLRDEHFLQRHPLLQA  
 RMRAVLLDWLMEVCEVYKLRHRETFYLAQDFFDRYMASQHNIIKTLQLIGISALFIASKLEEIYPPKLHQ  
 FAYVTDGACSGDEILTMELMMMKALKWRLSPLTIVSWLNVYVQVAVVNDTGEVLMPOYPQQVYFVQIAELL  
 DLCVLDVGCLFEPYGLAASALYHFSSLELMQKVSGYQWCDIEKCVKWMVFPFAMVIREMGSSKLKHFGRV  
 PMEDSHNIQHTHTNSLDLLDKAQAKKAILSEQNRI SPPPSVVLTPPPSSKKQSSEQETE

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:** [https://cdn.origene.com/chromatograms/mm9036\\_e12.zip](https://cdn.origene.com/chromatograms/mm9036_e12.zip)

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_007633

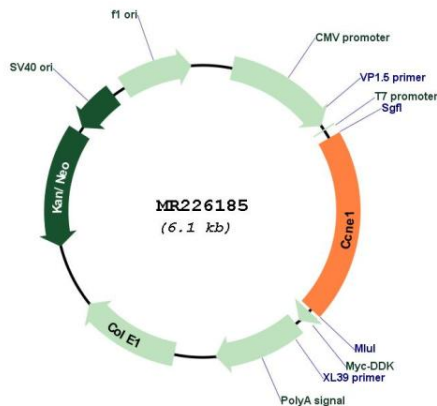
**ORF Size:** 1224 bp

**OTI Disclaimer:** Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at [custsupport@origene.com](mailto:custsupport@origene.com) or by calling 301.340.3188 option 3 for pricing and delivery.

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](#)

<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
<b>RefSeq:</b>	<u><a href="#">NM_007633.2</a></u> , <u><a href="#">NP_031659.2</a></u>
<b>RefSeq Size:</b>	2022 bp
<b>RefSeq ORF:</b>	1227 bp
<b>Locus ID:</b>	12447
<b>UniProt ID:</b>	<u><a href="#">Q61457</a></u>
<b>Cytogenetics:</b>	7 25.35 cM
<b>MW:</b>	47.4 kDa
<b>Gene Summary:</b>	Essential for the control of the cell cycle at the G1/S (start) transition.[UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for MR226185