

Product datasheet for **MG226185**

Ccne1 (NM_007633) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ccne1 (NM_007633) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Ccne1
Synonyms:	AW538188; CycE1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG226185 representing NM_007633 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCCAAGGGAGAGAGACTCGACGGACCACAGCAACATGAAAGAAGAAGGTGGCTCCGACCTTTCAGTCC
GCTCCAGAAAAAGGAAGGCAATGTGGCCGTGTTTTGCAAGACCCAGATGAAGAAATTGCCAAGATTGA
CAAGACTGTGAAAAGCGAGGATAGCAGTCAGCCCTGGGATGATAATTCAGCATGCGTGGACCCCTGCTCT
TTCATCCCCACCCTAACAAAGAAGAGGACAATGAGCTTGAATACCCAGGACTGCATTTACGCCTCGGA
AAATCAGACCACCCAGAGCCTCCCACTCCCGTCTTGAATTGGGCAATAGAGAAGAGGTTTGGAGGAT
CATGTTAAACAAAGAAAAGACTTACCTGAGAGATGAGCACTTCTGCAGCGTCATCCTCTCTGCAGGCC
AGGATGAGAGCAGTTCTTCTGGATTGGCTAATGGAGGTGTGCGAAGTCTATAAGCTCCACAGAGAGACGT
TCTACTTGGCACAGGACTTCTTTGATCGTTACATGGCATCACAACATAATATCATAAAAACTTTTACA
GCTTATTGGGATTTTCAGCCTTATTTATTGCTTCAAACCTTGGGAAATCTACCCTCCAAAGTTGCACCAG
TTTGCTTATGTTACAGATGGCGCTTGTCCGGGGATGAAATCTTACCATGGAATTGATGATGATGAAGG
CCCTTAAGTGGCGTCTAAGCCCTCTGACCATTGTGTCTGGCTGAATGTCTATGTCCAAGTGGCCTATGT
CAACGACACGGGTGAGGTGCTGATGCCTCAGTACCCACAGCAGGTCTTCGTGCAGATCGCAGAGCTTCTA
GACCTGTGCGTCTGGATGTTGGCTGCTTAGAATTTCTTATGGTGTCTCGCTTCTGCTTTGTATC
ATTTCTCCTCACTGGAGTTGATGCAGAAGTCTCAGGTTATCAGTGGTGCACATAGAGAAGTGTGTCAA
ATGGATGGTTCGGTTCGCCATGTTATCCGGGAGATGGGAAGTCCAAGCTCAAGCACTTCCGGGGAGTC
CCCATGGAAGACTCCACAACTCCAGACCCACACCAACAGCTTGGATTTGCTGGACAAAGCCCAAGCAA
AGAAAGCCATATTGTCAGAACAGAATAGGATTTCTCCTCCTCCGAGTGTGGTCTGACACCCCAACCCAG
CAGTAAGAAGCAGAGCAGCGAGCAGGAGACAGAA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG226185 representing NM_007633
 Red=Cloning site Green=Tags(s)

MPRERDSTDHNSMKEEGGSDLVRSRKRKANVAVFLQDPDEEIAKIDKTVKSEDSSQPWDDNSACVDPCS
 FIPTPNKEEDNELEYPRTAQPRKIRPPRASPLPVLNWNREEVWRIMLNKEKTYLRDEHFLQRHPLLQA
 RMRAVLLDWLMEVCEVYKLRHRETFYLAQDFDRYMASQHNIKTLQLIGISALFIASKLEEIYPPKLHQ
 FAYVTDGACSGDEILTMELMMMKALKWRLSPLTIVSWLNVYVQVAYVNDTGEVLMPOYPQQVYFVQIAELL
 DLCVLDVGCLFEPYGLAASALYHFSSLELMQKVSGYQWCDIEKCVKWMVPFAMVIREMGSSKCLKHFRGV
 PMEDSHNIQHTHTNSLDLLDKAQAKKAILSEQNRI SPPPSVVLTPPPSSKKQSSEQETE

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_007633

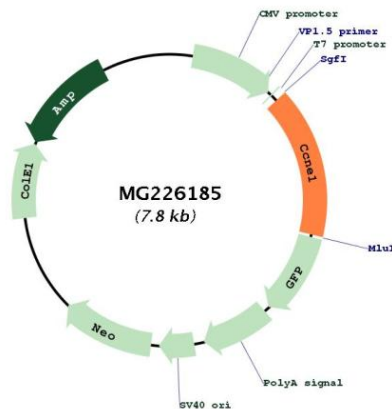
ORF Size: 1224 bp

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 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](#)

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:	<u>NM_007633.2, NP_031659.2</u>
RefSeq Size:	2022 bp
RefSeq ORF:	1227 bp
Locus ID:	12447
UniProt ID:	<u>Q61457</u>
Cytogenetics:	7 25.35 cM
Gene Summary:	Essential for the control of the cell cycle at the G1/S (start) transition.[UniProtKB/Swiss-Prot Function]

Product images:


Circular map for MG226185