

## Product datasheet for **SC207262**

### Cyclin E1 (CCNE1) (NM\_001238) Human 3' UTR Clone

#### Product data:

**Product Type:** 3' UTR Clones  
**Product Name:** Cyclin E1 (CCNE1) (NM\_001238) Human 3' UTR Clone  
**Vector:** pMirTarget (PS100062)  
**Symbol:** CCNE1  
**Synonyms:** CCNE; pCCNE1  
**ACCN:** NM\_001238  
**Insert Size:** 565 bp  
**Insert Sequence:** >SC207262 3'UTR clone of NM\_001238  
The sequence shown below is from the reference sequence of NM\_001238. The complete sequence of this clone may contain minor differences, such as SNPs.  
**Blue**=Stop Codon **Red**=Cloning site

```
GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAGGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
AAGCAGAGCAGCGGGCCGAAATGGCGTGAACACCCCATCCTTCCACCAAGACAGTTGCGCGCCTG
CTCCACGTTCTCTCTGTCTGTTGCAGCGGAGGCGTGGCTTTGCTTTTACAGATATCTGAATGGAAGAG
TGTTTTCTCCACAACAGAAGTATTTCTGTGGATGGCATCAACAGGGCAAAGTGTTTTTTATTGAATGC
TTATAGGTTTTTTTTAAATAAGTGGGTCAAGTACACCAGCCACCTCCAGACACCAGTGCCTGCCCGA
TGCTGCTATGGAAGGTGCTACTTGACCTAAGGGACTCCCACAACAACAAAGCTTGAAGCTGTGGAGGG
CCACGGTGGCGTGGCTCTCCTCGCAGGTGTTCTGGGCTCCGTTGTACCAAGTGGAGCAGGTGTTGCGG
GCAAGCGTTGTGCAGAGCCCATAGCCAGCTGGGCAGGGGGCTGCCCTCTCCACATTATCAGTTGACAGT
GTACAATGCCTTTGATGAACTGTTTGAAGTGTCTATATCTATCCATTTTTTAATAAAGATAATAC
TGTTTTTGAGACA
ACGCGTAAGCGGCCGCGCATCTAGATTGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG
```

**Restriction Sites:** SgfI-MluI

**OTI Disclaimer:** Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences, e.g., single nucleotide polymorphisms (SNPs).

**Components:** The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.



[View online »](#)

RefSeq: [NM\\_001238.4](#)

**Summary:** The protein encoded by this gene belongs to the highly conserved cyclin family, whose members are characterized by a dramatic periodicity in protein abundance through the cell cycle. Cyclins function as regulators of CDK kinases. Different cyclins exhibit distinct expression and degradation patterns which contribute to the temporal coordination of each mitotic event. This cyclin forms a complex with and functions as a regulatory subunit of CDK2, whose activity is required for cell cycle G1/S transition. This protein accumulates at the G1-S phase boundary and is degraded as cells progress through S phase. Overexpression of this gene has been observed in many tumors, which results in chromosome instability, and thus may contribute to tumorigenesis. This protein was found to associate with, and be involved in, the phosphorylation of NPAT protein (nuclear protein mapped to the ATM locus), which participates in cell-cycle regulated histone gene expression and plays a critical role in promoting cell-cycle progression in the absence of pRB. [provided by RefSeq, Apr 2016]

Locus ID: 898

MW: 21