

## Product datasheet for **SC214502**

### Cyclin E2 (CCNE2) (NM\_057749) Human 3' UTR Clone

#### Product data:

Product Type:	3' UTR Clones
Product Name:	Cyclin E2 (CCNE2) (NM_057749) Human 3' UTR Clone
Symbol:	Cyclin E2
Synonyms:	CYCE2
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_057749
Insert Size:	1438 bp



[View online »](#)

**Insert Sequence:** >SC214502 3'UTR clone of NM\_057749  
 The sequence shown below is from the reference sequence of NM\_057749. The complete sequence of this clone may contain minor differences, such as SNPs.  
 Blue=Stop Codon Red=Cloning site

```

GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
AGCACTGAAAAACCAACAGGAAAAACACTAAAGAAGATAACTAAGCAACAAGTTGGAATTCACCAAGAT
TGGGTAGAACTGGTATCACTGAACTACTAAAGTTTTACAGAAAGTAGTGCTGTGATTGATTGCCCTAGC
CAATTCACAAGTTACTGCCATTCTGATTTTAAACTTACAATTGGCACTAAAGAATACATTTAATTA
TTTCTATGTTAGCTGTTAAAGAAACAGCAGGACTTGTTTACAAAGATGTCTTCATCCCAAGGTTACT
GGATAGAAGCCAACACAGTCTATACCATAGCAATGTTTTTCTTTAATCCAGTGTACTGTGTTTATC
TTGATAAACTAGGAATTTTGTCACTGGAGTTTTGGACTGGATAAGTGCTACCTTAAAGGGTATACTAAG
TGATACAGTACTTTGAATCTAGTTGTTAGATTCTCAAAATTCCTACACTCTTGACTAGTGAATTTGGT
TCTTGAATAATTAATTTAACTTGTTTACAAAGGTTTAGTTTTGTAATAAGGTGACTAATTTATCTATA
GCTGCTATAGCAAGCTATTATAAACTGAATTTCTACAATGGTGAAATTTAATGTTTTTAACTAG
TTTATTTGCCCTTGCCATAACACATTTTTTAACTAATAAGGCTTAGATGAACATGGTGTTCAACCTGTGC
TCTAAACAGTGGGAGTACCAAAGAAATTATAACAAGATAAAATGCTGTGGCTCCTTCTAACTGGGGCT
TTCTTGACATGTAGGTTGCTTGGTAATAACCTTTTTGTATATCACAATTTGGGTGAAAAACTTAAGTAC
CCTTTCAAATTTTATATGAGGAAGTCACTTTACTACTAAGATATCCCTAAGGAATTTTTTTTTTTT
AATTTAGTGTGACTAAGGCTTTATTTATGTTTGTGAACTGTTAAGGTCCTTTCTAAATTCCTCCATTG
TGAGATAAGGACAGTGTCAAAGTGATAAAGCTTAACACTTGACCTAACTTCTATTTTCTAAGGAAGA
AGAGTATTAATATATACTGACTCCTAGAAATCTATTTATTAAGAAAGACATGAAAACTTGCTGTACA
TAGGCTAGCTATTTCTAAATATTTTAAATTAGCTTTTCTAAAAAATCCAGCCTCATAAAGTAGAT
TAGAAAACTAGATTGCTAGTTTATTTTGTATCAGATATGTGAATCTCTTCTCCCTTTGAAGAACTAT
ACATTTATTGTTACGGTATGAAGTCTTCTGTATAGTTTGTTTTTAACTAATATTTGTTTCAGTATTTT
GTCTGAAAAGAAAAACCACTAATTGTGTACATATGTATTATATAAACTAACCTTTAATACTGTTTA
TTTTTAGCCATTGTTTAAAAAATAAAGTTAAAAAATTTAACTGCTTAAAAAGTAAA
ACGCGTAAGCGGCCGCGGCATCTAGATTCGAAGAAATGACCGACCAAGCGACGCCAACCTGCCATCA
CGAGATTCGATTCACCGCCGCTTCTATGAAAGG
  
```

**Restriction Sites:** Sgfl-Mlul

**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.

**RefSeq:** [NM\\_057749.3](#)

**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. This cyclin has been shown to specifically interact with CIP/KIP family of CDK inhibitors, and plays a role in cell cycle G1/S transition. The expression of this gene peaks at the G1-S phase and exhibits a pattern of tissue specificity distinct from that of cyclin E1. A significantly increased expression level of this gene was observed in tumor-derived cells. [provided by RefSeq, Jul 2008]

**Locus ID:**

9134

**MW:**

55.6