

## Product datasheet for **SC207058**

### **RAD17 (NM\_133338) Human 3' UTR Clone**

#### Product data:

**Product Type:** 3' UTR Clones  
**Product Name:** RAD17 (NM\_133338) Human 3' UTR Clone  
**Vector:** pMirTarget (PS100062)  
**Symbol:** RAD17  
**Synonyms:** CCYC; HRAD17; R24L; RAD17SP; RAD24  
**ACCN:** NM\_133338  
**Insert Size:** 539 bp  
**Insert Sequence:** >SC207058 3'UTR clone of NM\_133338  
The sequence shown below is from the reference sequence of NM\_133338. The complete sequence of this clone may contain minor differences, such as SNPs.  
**Blue**=Stop Codon **Red**=Cloning site

```
GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
ATAGAAGACTACGAGAGTGATGGGACATAGAACCCAGCCTGCTAATCAGATTGCTACTTCACAGCTTCA
TTTTTGTTCATTCAGTGGTACTTCAGCAGAGTTAATATGCTTTTCTGATGAATTACACAACAGTTTGT
TAATTCTTCATTCTGTAGTATTTTCATCACAAAGAACTACTCTTCTGTCATCTTGAAGTAAATAGAAG
ATCAAGCCTTCAAATCTCTTAATTTTTTTCGGTATTTATTAATCTGTGAGTGGTTAAGGAGCGGTGAG
TGTGTATAAAGTGTGTTGAACATTATGCCAAATATCAAGATGTGAAGGACTAATTCAGGATGCAAAAA
CGTTATTGGGGGTTGTAATATCAACTATTCAACAGTTTAGGATGCAATTACGAGTGTAACTGTGTG
CCTTATTACACTTTATTGTCTCCCGCTTCTCAGATAGTTTTGATGTGTGTACAGTGGAAATATCTTAG
ATACTTTTTGGAAAGTATTTACATAAGTTATATCACAAATAAAAATGTTGAATTTAA
ACGCGTAAGCGGCCGCGCATCTAGATTGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCCTTCTATGAAAGG
```

**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.

**RefSeq:** [NM\\_133338.3](#)



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**Summary:**

The protein encoded by this gene is highly similar to the gene product of *Schizosaccharomyces pombe rad17*, a cell cycle checkpoint gene required for cell cycle arrest and DNA damage repair in response to DNA damage. This protein shares strong similarity with DNA replication factor C (RFC), and can form a complex with RFCs. This protein binds to chromatin prior to DNA damage and is phosphorylated by the checkpoint kinase ATR following damage. This protein recruits the RAD1-RAD9-HUS1 checkpoint protein complex onto chromatin after DNA damage, which may be required for its phosphorylation. The phosphorylation of this protein is required for the DNA-damage-induced cell cycle G2 arrest, and is thought to be a critical early event during checkpoint signaling in DNA-damaged cells. Multiple alternatively spliced transcript variants of this gene, which encode four distinct protein isoforms, have been reported. Two pseudogenes, located on chromosomes 7 and 13, have been identified. [provided by RefSeq, Jul 2013]

**Locus ID:**

5884

**MW:**

20.7