

Product datasheet for **SC207143**

RAD17 (NM_133344) Human 3' UTR Clone

Product data:

Product Type: 3' UTR Clones
Product Name: RAD17 (NM_133344) Human 3' UTR Clone
Vector: pMirTarget (PS100062)
Symbol: RAD17
Synonyms: CCYC; HRAD17; R24L; RAD17SP; RAD24
ACCN: NM_133344
Insert Size: 539 bp
Insert Sequence: >SC207143 3'UTR clone of NM_133344
The sequence shown below is from the reference sequence of NM_133344. The complete sequence of this clone may contain minor differences, such as SNPs.
Blue=Stop Codon **Red**=Cloning site

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GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
ATAGAAGACTACGAGAGTGATGGGACATAGAACCCAGCCTGCTAATCAGATTGCTACTTCACAGCTTCA
TTTTTGTTCATTTCAGTGGTACTTCAGCAGAGTTAATATGCTTTTCTGATGAATTACACAACAGTTTGT
TAATTCTTCATTCTGTAGTATTTTCATCACAAAGAACTACTCTTCTGTCATCTTGAAGTAAATAGAAG
ATCAAGCCTTCAAATCTCTTAATTTTTTCGGTATTTATTAATCTGTGAGTGGTTAAGGAGCGGTGAG
TGTGTATAAAGTGTGTTTGAACATTATGCCAAATATCAAGATGTGAAGGACTAATTCAGGATGCAAAAA
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_133344.3](#)



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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