

Product datasheet for SC207055

RAD17 (NM_133340) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	RAD17 (NM_133340) Human 3' UTR Clone
Symbol:	RAD17
Synonyms:	CCYC; HRAD17; R24L; RAD17SP; RAD24
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_133340
Insert Size:	556 bp
Insert Sequence:	<p>>SC207055 3'UTR clone of NM_133340</p> <p>The sequence shown below is from the reference sequence of NM_133340. The complete sequence of this clone may contain minor differences, such as SNPs.</p> <p>Blue=Stop Codon Red=Cloning site</p>

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GGCAAGTTGGACGCCGCAAGATCCGCGAGATTCTCATTAAGGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAACGATCGCC
ATAGAAGACTACGAGAGTGATGGGACAAGCCAGCCTGCTAATCAGATTGCTACTTCACAGTTTCA
TTTTTGTTCATTCACTGTTACTTCAGCAGAGTTAATATGCTTTTCTGATGAATTACACAACAGTTTGT
TAATTCTTCATTCTGTAGTATTTATCACAAGAAACCTACTCTTCTGTCATCTTGAAGTAAATAGAAG
ATCAAGCCTTCAAATCTCTTAATTTTTTCGGTATTTATTAATCTGTGAGTGGTTAAGGAGCGGTGAG
TGTGTATAAAGTGTGTTTGAACATTATGCCAAATATCAAGATGTGAAGGACTAATTCAGGATGCAAAAA
CGTTATTGGGGGTTGTAAATATCAACTATTCAACAGTTTAGGATGCAATTACGAGTGTAAGTGTGTG
CCTTATTTACACTTTATTGTCTCCCGCTTCTCAGATAGTTTGTGTTGTACAGTGGAATATCTTAG
ATACTTTTGGAAAGTATTTACATAAGTTATATCACAATTAATGTTGAATTTAAAAAAAAAAAAAAAA
AAAA
ACGCGTAAGCGGCCGCGGCATCTAGATTCTGAAGAAATGACCGACCAAGCGACGCCAACCTGCCATCA
CGAGATTTGATTCCACCGCCGCTTCTATGAAAGG
  
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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).


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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:	<u>NM_133340.2</u>
Summary:	The protein encoded by this gene is highly similar to the gene product of <i>Schizosaccharomyces pombe rad17</i> , 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:	21.5