

## Product datasheet for **SC202374**

### **RAD54 (RAD54L) (NM\_001142548) Human 3' UTR Clone**

#### Product data:

Product Type:	3' UTR Clones
Product Name:	RAD54 (RAD54L) (NM_001142548) Human 3' UTR Clone
Symbol:	RAD54
Synonyms:	hHR54; HR54; hRAD54; RAD54A
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_001142548
Insert Size:	221 bp
Insert Sequence:	>SC202374 3'UTR clone of NM_001142548 The sequence shown below is from the reference sequence of NM_001142548. The complete sequence of this clone may contain minor differences, such as SNPs. <b>Blue</b> =Stop Codon <b>Red</b> =Cloning site  GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG TAACAATTGGCAGAGCTCAGAATTCAA <b>GCGATCGCC</b> TCTCATGAGGAGCAGCGGGCCTCCGCT <b>TGA</b> TACCAGCTGGTCTGGGTGTAGCTCTTAGAGGAAGGAGA TAGGGAAAAGGGCTCCTTGCTCCACAGGGCCCTGTTGAATTTTGTCTCTGGGAGAAAATCATCAAGA AGGGCTGCATGATGTTTGCCAAAATTTATTTTATAAGAAAACTTTTTTGGTAAAAAAAAGAATAAA GGTATGAAAGGGTT <b>ACGCGT</b> AAGCGGCCGCGCATCTAGATTGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG
Restriction Sites:	Sgfl-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:	<u><a href="#">NM_001142548.2</a></u>



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**Summary:**

The protein encoded by this gene belongs to the DEAD-like helicase superfamily, and shares similarity with *Saccharomyces cerevisiae* Rad54, a protein known to be involved in the homologous recombination and repair of DNA. This protein has been shown to play a role in homologous recombination related repair of DNA double-strand breaks. The binding of this protein to double-strand DNA induces a DNA topological change, which is thought to facilitate homologous DNA pairing, and stimulate DNA recombination. Alternative splicing results in multiple transcript variants encoding the same protein.[provided by RefSeq, Dec 2008]

**Locus ID:**

8438

**MW:**

8