

Product datasheet for **SC202665**

RAD54B (NM_012415) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	RAD54B (NM_012415) Human 3' UTR Clone
Vector:	pMirTarget (PS100062)
Symbol:	RAD54B
Synonyms:	RDH54
ACCN:	NM_012415
Insert Size:	240 bp
Insert Sequence:	>SC202665 3'UTR clone of NM_012415 The sequence shown below is from the reference sequence of NM_012415. The complete sequence of this clone may contain minor differences, such as SNPs. Blue =Stop Codon Red =Cloning site GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC AATATAACCACTCAAGCTACTGGCACATAGTGAAAGATTACTTCTGACATTCCATTGCTCTCTTTTTGA AAATTAGTATGGTAATTAATGTACTTTTTGAAAATTAATAGAATTATTTAAATTACAGTATATGTTGC AAAATATATCACTTTTGATACAATAGTCAAATTGAGTGGTTAATGTTTTGAAATATTAAGTGTTTA AATGAAAATAAAGATGTGCTTATATCATTGTA ACGCGT AAGCGGCCGCGCATCTAGATTGGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA CGAGATTTGATTCCACCGCCGCTTCTATGAAAGG
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:	<u>NM_012415.3</u>



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Summary: The protein encoded by this gene belongs to the DEAD-like helicase superfamily. It shares similarity with *Saccharomyces cerevisiae* RAD54 and RDH54, both of which are involved in homologous recombination and repair of DNA. This protein binds to double-stranded DNA, and displays ATPase activity in the presence of DNA. This gene is highly expressed in testis and spleen, which suggests active roles in meiotic and mitotic recombination. Homozygous mutations of this gene were observed in primary lymphoma and colon cancer. [provided by RefSeq, Jul 2008]

Locus ID: 25788

MW: 9.4