

Product datasheet for **SC213813**

RAD52 (NM_134424) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	RAD52 (NM_134424) Human 3' UTR Clone
Vector:	pMirTarget (PS100062)
Symbol:	RAD52
ACCN:	NM_134424
Insert Size:	1685 bp



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Insert Sequence: >SC213813 3'UTR clone of NM_134424
The sequence shown below is from the reference sequence of NM_134424. 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
ATGAAGAAAAGGAAATATGATCCATCTAACTGAGGCTCAGGCCACATAATTGACTCTGTCAAAAGG
GACTTTGGAAAACACTTTTTGGTCATGAAATTGTTTCATCGCTGCTGGAGAATGAACGTCATTGCGATT
TATCTTGCTTCATTCTGAACCTTATCAAGAGGATCTGACTGAGAGCCCACTGCAGTTAGAGCTGAGCAC
TTTTGAAAAGCTTGCCATCACTCTAGTAGGGAGAGGCTCTGGACAGATGAATACCTTTTCTCGGCTT
GTGAGGCTTCCCACTATTTACTGAACCTTATGTTAATGAAGATGGACATTTTAGGAATCACCAT
GGCTCCTTGCCTCAAGCAATATAGGCCAGACTTGGTCTAAGCACCTGCCTCAGCAATTGTCTACATT
CAGTTGTTTTGCATAACGTCTGCCTTCTTCTTTACGGTCCATGCCTTAAATGTTGCCACATTAAGC
ACTGTGGATCACGACAGGAAAAGGTTGGAGCAGTGCTTTTCACTACTTTGTATCAATCCAGGCTACAA
TCTTCATTTAATAATAAATAATTTATGGATTTATGACATTACAATCCTGCATTGTTTCAAGACTGACATT
TTTTCTAAGGAAGGAAATAATCATCTAAGACCAGAAAAAGGCTGTTTTTGTTTTTTTTTTTTTTTT
TTTTTTTTGAGACGGGTCTGGCTGTGTTGCCCTGACTGGAGTTCAGTGGTGCAAACACAGCTCTCTCC
ACAACCTCTTGGGCCAAGTGATACTCCCACCTCTGCCTTACAAAATACAGGGATTACTGGTGTGAGCC
ACTGTGCTGGCCAGAAAAGGCATTTTTGAGAAAAGCAAATCGTATACCTTATTAACAAAATAGAATATA
TATATATTGCTTATCTGAAATGCTTGAACCAAGTGTGTTTGCATTTTTGAATATTTGTATACACAT
AATGAGACCTTGGGATGGACCAAGTCTGAACGTGGAATTCACCTGTGTTTCGTGTATATGCCTCAT
ACACATAATTTTGTGCATGAAACAGAGTTTTTTGATAAGAAGATACACTGCAGCTGAAGAGGGCTGGGT
TTTTTTTTCTCTTAGGGTCGCTGCATAAACTGTTGTATGCCTGGTGCTTTGCGACTTGTACACAGGGT
CACGTGTGGAATTTCCACTTCTGGCATCACGTGCTCAGAAATTTTCTGATCTCAGAGCATTTCATCA
ATTAGGGATGCTCAAACGCAACTGTTTCTACTTCCCCATTTACAGGTGTGAGATGTAACCCACCTTGACC
ATAAATGGCTTTTTCATAGTGCTCAGATGTTTTCATAAATCTTCCCCAAAATAATGAAGTTTGCAGTTT
AACAACTTTTTTTTTGAGAGGGGGGTCTGGCTCTGTAGCGCAGGCTGGAGTGCAGCGGTGCCATCTTG
ACTCATTGCAGCCTCCGCTGCCAGGATCAAGCAATTTCTCTGCCTCAGGCTCCCGAGTAGCTGGGAT
TACAGACACCCACGACGCCCCGACTAATTTTTGTATTTTAGTAGAGGAGACGGGTTTTCTCCATGT
TGCCAGGCTGGTCTCAAAGTCAAGTCAAGTCTGCCACCTCGCCCTCCCAAAGTAAAAGTACTA
GAATTATAGGCATGAGCCATTGCGCCAG
ACGCGTAAAGCGGCCGCGCATCTAGATTGAAAGAAAATGACCGACCAAGCGACGCCAACCTGCCATCA
CGAGATTCGATTCACCGCCGCTTCTATGAAAGG
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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: [NM_134424.4](#)

Summary:

The protein encoded by this gene shares similarity with *Saccharomyces cerevisiae* Rad52, a protein important for DNA double-strand break repair and homologous recombination. This gene product was shown to bind single-stranded DNA ends, and mediate the DNA-DNA interaction necessary for the annealing of complementary DNA strands. It was also found to interact with DNA recombination protein RAD51, which suggested its role in RAD51 related DNA recombination and repair. A pseudogene of this gene is present on chromosome 2. Alternative splicing results in multiple transcript variants. Additional alternatively spliced transcript variants of this gene have been described, but their full-length nature is not known. [provided by RefSeq, Jul 2014]

Locus ID:

5893

MW:

64.4