

Product datasheet for **SC212949**

RAD51D (NM_001142571) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	RAD51D (NM_001142571) Human 3' UTR Clone
Vector:	pMirTarget (PS100062)
Symbol:	RAD51D
Synonyms:	BROVCA4; R51H3; RAD51L3; TRAD
ACCN:	NM_001142571
Insert Size:	2000 bp



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Insert Sequence: >SC212949 3'UTR clone of NM_001142571
 The sequence shown below is from the reference sequence of NM_001142571. 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
AGTGCCACATTACAGGGTGATCAGACATGACCTGTGCTGTTGTTGGAAACAGGGAAGCATTGGGGAC
CCCTCCCAACTTTTCTTCCAGTAACGCCTGCTGTTTACTGCCACCTGGCACTGGTACTACAGACGTT
CTCAGGCTGGCCAGAAGAGACATCTTGGGTTCTTGGCCTCACTCTGTAAAGCATATAAACACAGGC
GAAAGAGGATGCTGCATTGCGAGGACCCAGAAATTCATACTGGTGCCACGTTTCTTCCCTATTCTTA
ACGTGTATGTTTCTGGTGGAAACCAAGTTCACCCTGGCTGGGAGCATCTCTGATGAGGCATGCTGGCGA
CTGGATGGATAATCCTGTGCATCACCATTGTGCTCTGCTCCCTCTAGCGCAGTGGCCAAAGCCGGGA
AAGCCTCTAACTTGCCTTTGCTGCTGCTGCTTTTTTTTTTCTTTTGTCTGCTTCCATTTGTTAGAT
GGGGGCCACTTCTTCTAGCTGTCTCTGAGTTACTGGGTGGAAATAAGCTTATAAATGAAATACTC
TTCTTCATCTCTGTTTTGCTCTTAAAAATATAAAAAGGCAATCCCGAGCCCTAGAGCCACCTGATTT
CCCCTTAGAAGGCTGTTTTTCAGTTTCCCCAGTGAGGCCAAAGAAGCAGTTTATTCCTCCTTCCCTCT
TGCTGATTTGGTTTCAGACCTGCCTGCATCACCATGACTAGGTGAGAAGCTGTGGGCTCGTGCAGTTC
CAGGGATATAATTTAACAGAAAGGGAGGGTATGACCTGCTCCTGGTGAATCCAGCCACTCATTTAATAT
GCATGGTGCCTGTGGGGCCCTCCACAGTACAGCATAACCAGAGGTGCTGAACCATGGCCTTGGCCAT
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CTCTTCCCTGCCAGCTGTACCACAGCTAGTGCCTAGTGTATGAAATAATCCCTCTGCTTTCCACCAGCA
CTGTGGCCATCCGCTCTGAGAGCCATGACCCTGGCTGGGAGGGGACGAAGACACCAGGGAATGGAAAATA
AAAGGAAAAGTACAGAAATGATCAGGATTGTTACTGGCCACATCTTTTAAAGGAAGGTATCTTTCTT
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TCAGAAAGTAATGACATTTAGAGGTGATGAATGCAACAGGGATAGAATCATGGAGGATTGGGAAGGAGT
GGCAAACCTGGCACCAGGGTGTGGATTGAGGACAGGGTGGTAAGCCTAAGCCTGGGGGAATCCTAGCG
CTTGCTTTCACAGAAGACCTCAGGAGAAATTAATCTTCAGTATCTTTATACCATGGGTGATTGGCACAT
TCCTGCAACCACAGTAAGATGCAATACATGAAGCTGGAATTTGCAATTTCTTCCACTCAAGGTAATAT
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TGTTTTTAGAAGTTTTTCTCAATATAGCACTCCAGGGGGCCACTACCAGTCAGTTGGAGTTGGATTCA
AGGTGGAGTCTGGTTGCCGCTCTGCCCCTGTTCCATTATGTAGTGAGTTCAGGTAATTAACCTAAC
TGAGGACCTAGGACTGCAGTTTGGATCATCTGGGGCCAGGCACAGTGGCTCACACCTATAATGGTAG
CACTTTGGGAGCCTGAGGCGGGAGGATCACTTGGAGCCAGGAGTTAACAGTTTAAAAATCAGCCTGGGC
AACATGATGAGACATCGTTTCTACAAAAAATTTTTAAATTAGCTAGGCATTGTGATGTGCACCTGT
ACGCGT AAGCGGCCGCGGCATCTAGATTGGAAGAAAATGACCGACCAAGCGACGCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG
  
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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).

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_001142571.2](#)

Summary:

The protein encoded by this gene is a member of the RAD51 protein family. RAD51 family members are highly similar to bacterial RecA and *Saccharomyces cerevisiae* Rad51, which are known to be involved in the homologous recombination and repair of DNA. This protein forms a complex with several other members of the RAD51 family, including RAD51L1, RAD51L2, and XRCC2. The protein complex formed with this protein has been shown to catalyze homologous pairing between single- and double-stranded DNA, and is thought to play a role in the early stage of recombinational repair of DNA. Alternative splicing results in multiple transcript variants. Read-through transcription also exists between this gene and the downstream ring finger and FYVE-like domain containing 1 (RFFL) gene. [provided by RefSeq, Jan 2011]

Locus ID:

5892

MW:

73.9