

Product datasheet for **SC200950**

RAD51C (NM_058216) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	RAD51C (NM_058216) Human 3' UTR Clone
Vector:	pMirTarget (PS100062)
Symbol:	RAD51C
Synonyms:	BROVCA3; FANCO; R51H3; RAD51L2
ACCN:	NM_058216
Insert Size:	1419 bp



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Insert Sequence: >SC200950 3'UTR clone of NM_058216
 The sequence shown below is from the reference sequence of NM_058216. 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
CGGTCACGAGACCCAGAGGAAGAATTATAACCCAGAAACAATCTCAAAGTGACAAATTTATTGATGT
TGTGAAATCAATGTGTACAAGTGGACTTGTACCTTAAAGTATAAATAAACACACTATGGCATGAATGA
ATCCAGATCATATGAAGTGAATGGGAAAAATACCTAAATATGATTCTGTGAAAGTTTTTCTAAAGCAGT
ATTCTGCAATTATATTTTACCCTGTTTTTCAATTTTTCAGTAACATTCAGTAGAGATGATTATTATTTTCA
CAAATGTGAAAGCTGATCTCATGTGGCCAGTCTGAATTTACCATTCTACTGTTTTTACCCTTTTCTT
TCCCGATTGCCTATAAAATCTTAGGAAGAAACATATCATATTCTTATTGTGTTTTTTTTTTTTTTTTT
TTTTTGGAGATGGATTCTCGCTCTGTAGTCCAGGCTGGAGTGAATGGCGCAATCTCTGCTCACTGCAA
CCTCCGCCTCCCAGGTTCAAGCGATTCTCTGCCTCAGCCTCCCGAGTAGCTGGGGTTACAGGCACCTG
CCATCGTGCCTGGCTAATTTTTTGTATTTTTGTAGAGACAGAGTTTTACCATGTTGGCCAAGCTGGTCT
TGAACCTCTGACCTCAGGTGATCTGCCTGCCCTGCCCTCCCAAAGTGCTGGGATTACAGTCGTGAGCCA
CTGTGCCAGCCATGTTCTTTTTAAATGTAATTTGATAATTCTTTAAAATTACCCTTTTTATAATTA
TAAAGAGAAGCCAGCACCATGAGTCAGCATATTATTCTGTTTCAAGTTTATAGGTAAGATACAAATTTT
AGGTGACCAAAGTATTTAGTGACCTCAATCCTAAAATCTAAGCCATTTGTTTAGCTTTTAAATGACAT
TTTATAATGTTAAAGGGAGGACTTTGGAGCTGTTATCTCATCTAGAGATTGTTTGGAAACATATGTCTTC
CAGAATAGTTGATAAGCTCACAATCATTTATTGCTACGTTTTTGTGTTTTTGTGAGACAAGGTCTCA
CTCCGTCACCCAGGCTGGAGTGCAGTGGCATGATCATAGCTCACTGCAGCCTCGACCTCCCGGGTCAA
GCAATCCTCTCACTTACGCTCCTGAGTAGCTGGGACTACAGGGAGGCACTACCATGCCCTGCTAATTT
TTGGATTTTTTTGTAGAGACAAGGTCTCACTATGTTGCCAGGCTGGTCTCAAACCTGCTCTCAAGC
GATCCTCTTGCTTGTCTTCCCAAAGTGTGGGATTACAGATGTGAGCCACCACCTGGCCTCATTTC
TATATTTTGAACACGGTATGATCCATTCTAGAATTCTAGTTGTTATGTTGACATTTTTCTTTGAATAA
TCTTAACTTTGCTTAAATAAATTAAGATTTCAATTCTC
ACGCGTAAGCGGCCGCGCATCTAGATTCAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTTGATTCCACCGCCCTTCTATGAAAGG
  
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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_058216.3](#)

Summary:

This gene is a member of the RAD51 family. RAD51 family members are highly similar to bacterial RecA and *Saccharomyces cerevisiae* Rad51 and are known to be involved in the homologous recombination and repair of DNA. This protein can interact with other RAD51 paralogs and is reported to be important for Holliday junction resolution. Mutations in this gene are associated with Fanconi anemia-like syndrome. This gene is one of four localized to a region of chromosome 17q23 where amplification occurs frequently in breast tumors. Overexpression of the four genes during amplification has been observed and suggests a possible role in tumor progression. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jul 2013]

Locus ID:

5889

MW:

55.6