

Product datasheet for **RG210462**

RAD51C (NM_058216) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: RAD51C (NM_058216) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: RAD51C
Synonyms: BROVCA3; FANCO; R51H3; RAD51L2
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG210462 representing NM_058216
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGC**C

ATGCGCGGAAGACGTTCCGCTTTGAAATGCAGCGGGATTTGGTGAGTTCCCGCTGTCTCCAGCGGTGC
 GGGTGAAGCTGGTGTCTGCGGGTTCCAGACTGCTGAGGAACCTAGAGGTGAAACCTCCGAGCTTAG
 CAAAGAAGTTGGGATATCTAAAGCAGAAGCCTTAGAACTCTGCAAATTATCAGAAGAGAATGTCTCACA
 AATAAACCAAGATATGCTGGTACATCTGAGTCACACAAGAAGGTACAGCACTGGAACCTTCTTGAGCAGG
 AGCATACCCAGGGCTTCATAATCACCTTCTGTTTCAGCACTAGATGATATCTTGGGGTGGAGTGCCTT
 AATGAAAACAACAGAAATTTGTGGTGCACCAGGTGTTGGAAAAACACAATTATGTATGCAGTTGGCAGTA
 GATGTGCAGATACCAGAATGTTTTGGAGGAGTGGCAGGTGAAGCAGTTTTTATTGATACAGAGGGAAGTT
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 CAAGGGAGAGGAACCCGAAAAGCTTTGGAGGATTTCACTCTTGATAATATTCTTTCTCATATTTATTAT
 TTTTCGCTGCTGACTACACAGAGTTACTGGCACAAGTTATCTTCTCCAGATTTCTTTCAGAACACT
 CAAAGGTCGACTAGTGATAGTGGATGGTATTGCTTTTCCATTTTCGTATGACCTAGATGACCTGTCTCT
 TCGTACTCGGTTATTAATGGCCTAGCCAGCAAATGATCAGCCTTGCAAATAATCACAGATTAGCTGTA
 ATTTTAACCAATCAGATGACAACAAAGATTGATAGAAATCAGGCCTTGCTTGTTCCTGCATTAGGGGAAA
 GTTGGGACATGCTGCTACAATACGGCTAATCTTTCATTGGGACCGAAAGCAAAGTTGGCAACATTGTA
 CAAGTCACCCAGCCAGAAGGAATGCACAGTACTGTTTCAAATCAAACCTCAGGGATTTAGAGATACTGTT
 GTTACTTCTGCATGTTTCATTGCAAACAGAAGGTTCTTGAGCACCGGAAACGGTCACGAGACCCAGAGG
 AAGAATTA

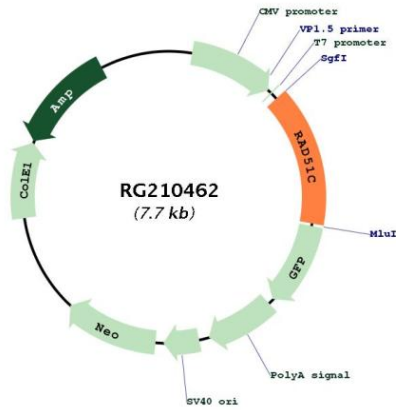
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method:	<ol style="list-style-type: none">1. Centrifuge at 5,000xg for 5min.2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.3. Close the tube and incubate for 10 minutes at room temperature.4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	NM_058216.3
RefSeq Size:	1295 bp
RefSeq ORF:	1131 bp
Locus ID:	5889
UniProt ID:	O43502
Cytogenetics:	17q22
Protein Families:	Druggable Genome
Protein Pathways:	Homologous recombination
Gene Summary:	<p>This gene is a member of the RAD51 family. RAD51 family members are highly similar to bacterial RecA and <i>Saccharomyces cerevisiae</i> 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]</p>

Product images:



Circular map for RG210462