

Product datasheet for RN201717

Rad50 (NM_022246) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Rad50 (NM_022246) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Rad50
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>RN201717 representing NM_022246 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCCGATCGCC

ATGTCCCGGATCGAAAAGATGAGCACTCTGGGCGTGCGAAGTTTTGGGATAGAGGATAAAGATAAGCAAA
TTATCTCTTTCTCAGCCCCCTCACAATTTGGTTGGACCAATGGGGCGGGGAAGACGACCATCATTGA
ATGTCTAAAGTATATTTGTAAGGATTTCCCTCCTGGAACCAAGGAAATACATTTGTTTCATGATCCC
AAGTTGCTCAAGAAACAGATGTGCGTGCCAAATTCGCTGCAGTTTCGTGATGTCAATGGAGAGATGG
TACTTGTGCAGAGTCCATGCTTTGCAGTCAGAAAAGTAAAAAACCGAATTTAAAAACCTGGAAGGAGT
CATTACTAGAATAAAGCACGGTGAAAAAGTCAGTCTCAGCTCCAATGTGCAGAAATCGACCGAGAAATG
ATAAGTTGTCTTGGGTTTCCAAGTCTGTGCTAAACAATGTTATTTTCTGCCACCAAGAAGACTCAAATT
GGCCTTAAGTGAAGAAAGGCTCTGAAGCAGAAATTTGATGAGATTTTTTTCAGCAACAAGGTACATTAA
AGCCCTAGATACGCTTCGACAGGTACGACAGACACAAGGTGAGAAAGTAAAAGAAATGTCAACAGAAATG
AAATATCTGAGGCAAAATAAGGAGAAAGCTTGAGATCCGAGATCAGATCACTAGTAAGGAAGCCAGT
TAGCATCTTCACGGAAATGTCAAAGCCTATGAGAATGAGCTTGAGCCATTGAAGAATCGCTGAAAGA
GATTGAACATAACCTCTCTAAAAAATAGACTTGACAATGAAATTAAGCCTTGGATAGCAGAAAGAAG
CAATGAAAAAGATAACAGTGAATTAGAACAGAAAGATGAAAAAGTTTTTCAAGGGACTGATGAGCAGC
TAAATGACTTGTATCACAATCACCAGAGAACTGTAAAGGAGAAAGAAAGCGCTTGGTAGACTGTACGG
TGAAGTGGAGAAGCTGAGTAAAGAAGCTCGGCTCCTCAACCAGGAAAGAGCAGAGCTGCTTGTGGAGCAG
GGTCGTCTACAACACTACAGGCAGATCGACATCAAGAGCATATCCGAGCCAGAGACTCACTGATTGAGTCTT
TGGCAGCACATCTTGAATGGATGGTTTTGAGCGTGGACCATTGAGTAAAGACAGATTAATAACTTTCA
TGAAGTGTGAGAGAGAGACAGGAGAGAGAAGCTAAAAGTCCAGCCAGCTCTTGAGCGACCTTACAGAC
AAAGAAGCGCTGAAGCAGAGACAGATGGATGAGATGAGGGACAAGAAGAGCGGGCTGGGGAGGATGATTG
AGCTGAAGACCGAGATCCTGACGAAGAAGCAGACTGAGCTGAGGAACGTGAGGAATGAGCTGCAGCAGCT
GGAGGGCTCCTCGGACAGGATTTGAGCTGGACCAGGAGCTCACAAGCGGAAAGCTGAACTAAGCAAG
GCTGAGAAAAATAGCAGCATAGAAACCCTAAAAGCAGAAATACTAAACCTCCAAGTGAAGAAAGCGGACC
TGGACAGGAACCTGCGGAAACTGGATCAGGAGATGGAGCAGTTAAACCATCATACAACAACCCGCACACA



[View online >](#)

GATGGAGATGCTTACCAAAGACAAAACCTGACAAAGATGAACAGATCAGAAAAATAAAGTCCAGGCACAGT
 GATGAACTAATCTCACTGTTGGGATATTTTCTAACAAAAACAGCTTGAAGACTGGCTTCACTTAAAT
 CCAAAGAGATTAATCAGACCAGGGACAGACTTGCCAAACTGAACAAAGAACTAGCTTCAGCCGAACAAAA
 TAAAAATCATATAAATAATGAGCTAAAGAAAAAGGAGAGCAGCTGTCTAGTTATGAAGATAAACTGTTT
 GATGTTTGTGGTAGCCAAGATTTTGAAGTGACTTAGACAGACTTAAAGAAGATATTGAAAAATCCTCAA
 AGCAGCAGGCCATGCTGGCTGGAGCCACAGCAGTTTACTCCCAGTTCATCACTCAGCTGACAGATGAAAA
 CCAGTCTGTGGCCAGGCTGTGAGAGTATTTTCAAGCAAGTCAACAGAATCAGAATAAAAAAAGAGC
 TTGCAGTCCAAGCTGAGGCTTGCTCCAGATAAACTCAAGTCAACAGAATCAGAATAAAAAAAGAGC
 GGCCCGTGATGAAATGCTGGGGCTTGCCCATGAGGCAAGCATAATTGATTTGAAGGAAAAAGGAAAT
 ACCAGAATTAAGAAACAGACTGCAGAGTGTCAATAGAGACATACAGCGCTAAAGAATGACATAGAGGAG
 CAGGAGACTCTTGGGTACAGTGTGCCCCAAGAGGAAAGTGTAAAGTGTGCTGACAGAGCTCACGA
 TCATGGAGAGGTTCCAGATGGAGCTAAAAGACGTTGAAAGGAAAAATGCACAGCAGGCAGCTAAGCTGA
 GGGGGTAGACTTGGATCGGACTGTCCAGCAGGTTAACCAGGAAAAACAAGAAAAACAACAAAACTGGAT
 ACAGTTTCCAGTAAGATTGAATTGAACCGTAAGCTTATACAGGACCAGCAGGAACAAATTCAGCACCTGA
 AAAGTAAAACAAATGAGCTGAAATCAGAGAACTGCAGATAGCCACCAATTTGCAACGGCGTCAGCAAAT
 GGAGGAGCAGACTGTGGAATTATCCACTGAAGTTCAGTCTTTGAACAGAGAAATAAAGGATGCTAAAGAG
 CAAATAAACCCCTTTGGAGATAGCACTGGAAAAGTTGCAGCAGGAAAAAGAGAATTGATCCACAGAAAAA
 ATACAAGTAACAAAATGGCTCAGGATAAGATCAATGATATCAAAGAGAAAGTTAAAAATATTCATGGTTA
 CATGAAAGACATAGAGAAATTAATCAAGATGGAAAAGATGACTATAAGAAGCAAAAAAGAACTGAACTT
 AATGAAGTTGTCATTCACTAAATGAATGTGACAAACCAAAAGAAAAAGATAAATAAAGAAATGGGAACCA
 TGAGGCAAGATATTGACACGAAGAAGATACAGGAAAGGTGTTACAGGATAACCTTACTGAGAAAAAG
 AAGAGAGGAACTAAAAGAAGTTGAAGAGGAACGAAAGCAACATTTGAAGGAGATGGGACAGATGCAAGTT
 TTACAGATGAAAAATGAGCACCAGAAGTTGGAAGAGAACATAGACAGATAAAGAGAAATCAGACTTTGG
 CATTGGGGCAGACAGAAAGGCTATGAAGAAGAAATTTCTCACTTTAAGAAGGAGCTCCGAGAACCTCAGTT
 TCGGGATGCAGAGGAGAAGTACAGAGAAATGATGATTGTCATGAGAACCAGAGCTGGTGAATAAGGAC
 CTGGACATCTACTACAAAACCTTTGATCACGCAATAATGAAATTTACAGTATGAAAATGGAAAGAAATCA
 AAAAAATATTCGTGATCTTTGGCGGAGTACCTATCGTGGCAAGATATTGAATACATAGAAATTCGATC
 CGATGCTGATGAAAATGTATCAGCTTCTGATAAAAGGCGAAATTAACAACCTACCGAGTGGTGTGCTGAAG
 GGGGATACAGCCTTGACATGCGCGGACGATGCAGTGTGACAGAAAGGTGCTGGCCTCTCTCATCATCC
 GACTGGCCCTGGCCGAAACCTTCTGTCTGAACTGCGGCATCCTTGCCCTGGATGAGCCTACAACAAACCT
 GGACCGAGAAAACATCGAGTCTCTGGCACATGCTTTGGTTGAGATTATAAAAAGTCGCTCGCAGCAGCGC
 AACTTCCAGCTTCTGGTCATCACTCACGATGAAGATTTTGTGGAGCTCCTAGGACGATCTGAGTATGTGG
 AGAAATCTACAGAGTGAAGAAGAACATCGACCAGTGCTCAGAGATTGTCAAGAGCAGCATCAACTCTCT
 GGGCTCTTATGTTCACTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:

Sgfl-MluI

ACCN:

NM_022246

Insert Size:

3939 bp

OTI Disclaimer:

Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

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:

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_022246.1](#), [NP_071582.1](#)

RefSeq Size: 4444 bp

RefSeq ORF: 3939 bp

Locus ID: 64012

UniProt ID: [Q9JIL8](#)

Cytogenetics: 10q22

Gene Summary: involved in DNA double-strand break repair [RGD, Feb 2006]