

Product datasheet for **RR217301**

Rad54b (NM_001191755) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Rad54b (NM_001191755) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Rad54b
Synonyms:	Fsbp; RGD1306507
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide Sequence:

>RR217301 representing NM_001191755
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAGACGTTCTGCAGCACCAAGCCAGGTGCGGGGAAATTCCTCTAAAAAAGCAAGATTTGTACCTCCAG
 GAAGAAGTACTACAGGTGTGAGTAAGGAGATTCGATGAGTCCAGAGGCAAAACTGGTTCAGGGCGCCCA
 CCAGTCACAAGGGGATGCAGGTGTGTGCAGTTCCAATCCTTGGCTCACTGAGGGAAGCCCTGTGGAGATG
 GGTGACGGGGCTAGAGTAGATCCGCTTTCTCCAGTTCAGTTCGCTCTAAAGAAATCATAGAGTCCAAGG
 CACAAGAAGAGGAAGCTAGCAGCTTGCTTAAATATTTCAAGTGTGCTTTGGTGTAAAGCTTCAAAGAAAA
 ACACAAGAAATGGGAAGGCGATGCTATTCTTATTGTAAGGAAGGTCGTTTCAATTTGAAAGATATGGAA
 GGAAGATATTGGAAGAGGCATGGGATATAAATTCAAAGAGCTTGAAAATGTAGAAGAAGGCCAAACAT
 TGATGCTTGGTGGGAAAGAAATAGAGATCTGGGTACAGTCTCTGCTGAGGACTTCAATAGTGGCAAGTG
 TTTTCAGGCTGGAAGCGAAGTCTGCCGTCCCAAGTTCTCAGGCTGCCAGGAAATGCTTTTCTAACCTT
 TCAAGAGTGTGTGTCAGTCAACTCAAGCAAGGAGAGACAGAGGGAATGACTGGCAAAATGCAAAACCTC
 GCTATGACCCATACACACCAATGCCCTTGTATGCCTCGACCAGACAAGAGTACCAGTGGGCGTTTAA
 TAGGAGCTGCCTTCTACTGTGGATGTGGTGTAGACCCTCACCTGTACGTACCTCCGACCACACCAG
 AAAGATGGGGTCGCTTCTCTATGAGTGTGTGATGGGAATGAGAGCAGTTGGCAAAATGTGGTGCCATTC
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 ATTAAGACAACAGCAGCCCTTCTAGCCTCTTGTGAGAAGAGAGTAATTCTGACTGGTACCCAGTTC
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 GCTTTACCGAAAGCTGCTGAGTTCTCAATCTGTCAGGTTCTGCTGCAAGGCCTTTTGGGAAATAGTGCT
 CACCTCATTTGCATAGGGGCCCTGAAGAAGCTATGCAATCATCCTCGCCTTTGTTGAGCTTTGTGAAGG
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 CAGCTACTGACATCCAGGCCATGGCTAGAGTGTGGAGAGACGGCCAGAAACCCCTGTCCATGTTTACAG
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 CATTACATGAAAATTCACATTGTGTTACTCATGACCTGCTTACTGAGTGTGACAGGAGAGAAAAGATCA
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 CATC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR217301 representing NM_001191755
 Red=Cloning site Green=Tags(s)

MRRSAAPSQVRGNSSKKARFVPPGRSTTGVSKAISMSPEAKLVQGAHQSQGDAGVCSSNPWLTEGSPVEM
 GDGARVDPLSPVHLASKEIIESKAQEEEEASSLLKYFSVVWCKASKKKKKWEGDAILIVKGRSFIKDME
 GKDIGRGMGYKFKELENVVEEQTLMLGGKEIEILGTVSAEDFNSGKCFQAGSGSPAVPSSQAARKCF SNP
 FKSVCQSTQARRDRGNDWQNCCKPRYDPYTPNALVMPRPDKSHQWAFNRSCLPTVDVVIDPHLVRHLRPHQ
 KDGVAFLYECVMGMRAVGKCGAILADEMGLGKTLQCISLIWTLQCQGPYGGKPIVKRTLIVTPGSLVNNW
 RKEFQKWLGSERIKIFTVDQDHKVEEFINSAFHSVLIISYEMLLRSLDRIKTITFGLLICDEGHRLKNSG
 IKTTAALSSLSCEKRVILTGTPVQNDLQEFFALVDFVNPGLGSLSSYRRIYEPIVMSREPSASKEERE
 LGERRTELTRLTGCFILRRTQEVINKYLPPKIENVVFCRPGALQIELYRKLLSSQSVRFCLQGLLGNSA
 HLCICIGALKKLCNHPRLLSFVKGKEFNSSRDENEERSLCQGLLTVFPAGYNLLQLSESESGKLQVLVKL
 LAAISELRPTEKIVILVSNYRQTLNLLVEVCKCHGYACARLDGQTPVSQRQQIVDNFNSKYSTDFIFLLSS
 KAGGVGLNLIGGSHLILYDIDWNPATDIQAMARVWRDGGQKHPVHVYRLLTTGTIEEKIYQRQISKQGLSG
 AVVDLTRSSEIQFSVEELKNLFTLHENSCHVTHDLLDCECTGEKDHSDDASENPVTSRQCQLGPQKSSS
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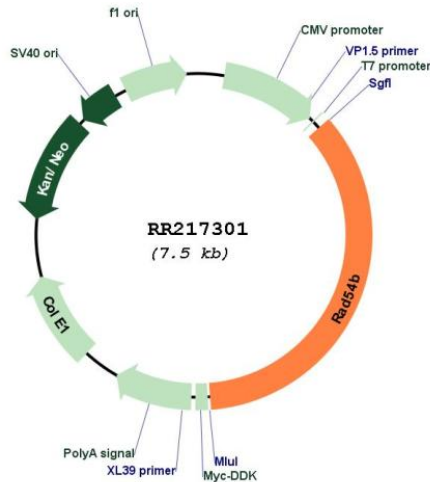
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:


ACCN: NM_001191755

ORF Size: 2664 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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_001191755.1](#), [NP_001178684.1](#)

RefSeq Size: 2806 bp

RefSeq ORF: 2667 bp

Locus ID: 313063

Cytogenetics: 5q13

MW: 99.2 kDa