

## Product datasheet for **MR211062**

### Rad54b (NM\_001039556) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Rad54b (NM_001039556) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Rad54b
Synonyms:	E130016E03Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>MR211062 ORF sequence  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGAGAAGATCTGCAGCACCAAGTCAGGTGCAGGGAAAGTCCTTTAAAAACAAGATTCATACCTCCAG  
 GAAGAAGTAATGCAGATGTGAGTAAGGAGATCACAAAGATGAGTCCAGATCCAAAAGTTCAGGGTGC  
 TGAACAGTCACAAAATGATCCAGGTGTATGCAGTTCAAATCCTTGCCCAAGTGAGGGAATCCCTAGGGAA  
 GTGGGTGATGGGACTAGAGTAGATCCACTTCTCCAGTTCATTCCGGCTCTAAAGAAATCACAGAGTCCA  
 AGGCACAAGAAGAGGAAGCTAGCAGCTTGTCTAAATATTTTCAGTGTGTTTGGTGTAAAGCTTCAAAGAA  
 AAAACACAAAAAGTGGGAAGGCGATGCTATTCTTATTGTAAAGGAAAGTCTTTCACATTGAAAGATTTG  
 GAAGGAAAAGATATTGGAAGAGGCATTGGATACAAATTCAGGACCTTGAGAATGTAGAAGAGGGCCAAA  
 CATTGATAATTGGTGGGAAAAGAAATAGAAATCCTGGGACAATCTCTTCTGATGACTTCAACAGTGGCAA  
 GTTTTTCAGCACGGAAGTGAAGTCTGCTGTCCCAAGTCTCAGGCTGCCAGGAAATGCTTTTCTAAC  
 CCTTTCAAAGTGTGTGTCAGTCAACGCAAGCACAGGGAAAAAGATGGAATGACTGCAGACCGCCGACATA  
 ACCCGTGACACCAAATGCCCTTGTATGCCGCGCCAGACGAGAATCACCAGCGGATGTTAATAGGCA  
 CTGCTCTCCTATTGTGGATGTCGTGATAGACCCTCACCTTGACACCACCTCCGACCACATCAGAAAAGC  
 GGAATCATCTTCTCTATGAGTGTGTGATGGGAATGAGAGCAGTTGGCAAATGTGGCGCTATTCTTGCTG  
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 TGGCGCAAGCCAGTAATAAAGAAGACACTCATTGTTACCCCTGGAAGCCTGGTGAATAATTGGAGGAAA  
 GAATTTCAAAAATGGCTGGGAAGTGAAGGATCAAGATATTACCGTTGATCAGGACCATAAAGTCGAGG  
 AGTTTATCAATTCTACATTTTCATTCAGTCTTATCATCAGTTATGAAATGTTACTTCGTTCCCTAGATCA  
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 ACAACGACGCGCCCTTCTAGCCTCTCCTGTGAGAAGACAGTAATTCTCACTGGTACCCAGTTCAGAATG  
 ATTTGCAAGATTTTTTGCATTAGTTGATTTTTGTTAATCCAGGAATATTAGGGTCTCTGTCGTCTTACAG  
 GAAAATATATGAAGAACCATCATTATATCAAGAGAGCCTTCTTCTTCTAAGGAAGAGAGAGAGTTAGGG  
 GAGAGAAGAGCAACTGAGCTCACGCGCCTCACTGGACGTTTTATCCTTAGAAGAACTCAGGAAGTCA  
 ATAAATATCTCCCGCCTAAGATAGAGAATGTAGTCTTTGCCGACCAGGAGCATTGCAGATTGAACCTTA  
 CCGAAAGCTGCTGCGCTCTCAGTCTGTGAGGTTCTGTTTGAAGGACTATTGGAAAATAGTCTCACCTC  
 ATCTGCATAGGGCCCTAAAGAAGCTGTGCAACCACCCTTGCCCTTGTTCAGCTCTGTGAAGGGCAAAG  
 AATTTAGCTCAAGTTGTGAGGAAAATGAAGAAAGAAATCTATGCCAAGGCTTGCTGTCTGTGTTCCCTGC  
 TGGCTACAACCCTCTGCAGTTCTCTGAGGAAGAGTCAGGAAAACACTACAGGTGTTAGTCAAGCTCCTGGCA  
 GTGATCCATGAATTCGTCCTCACTGAGAAAAGTATTTTGGTATCCAACACTACAGACAAAACCTTGAATGTT  
 TAGAAGAAGTATGTAAGCGTCATGGATATGCTTGTGCAAGACTTGATGGCCAAACACCAGTCTCTCAAAG  
 GCAGCACATTGTTGATAGTTTCAATAGTAAATACTCTACTGATTTTATTTTTTATTAAGTTCAAAGCT  
 GGTGGTGTGGGACTTAATCTCATTGGAGGATCTCACTTAATCTCTATGATATCGATTGGAACCCAGCTA  
 CTGATATCCAGGCCATGTCTAGAGTATGGAGAGATGGTCAGAAGCATCCTGTACATATTTACAGACTCCT  
 GACTACAGGTACAATAGAGGAAAAGATCTATCAAAGGCAGATCAGTAAGCAAGGCCTTTCTGGGCGAGTG  
 GTAGACCTAACCCAGATCATCTGAACATATCCAGTTTTTCAGTGGAAGAGCTTAAAAACTTGTTCACACTAC  
 ATGAAAGTTCACATTGTGTCACCTCATGACCTGCTTACTGTGAGTGCACAGGGGAAAAAGTTCACACCGA  
 GGATGCGTCCGAAGGCCCGTCGCTCCCGACAGTGTGAGTTCGGCCCTCAGAAGCTGACGCGCTTGAGA  
 CCTCTGTCCATGTACAGCTGAAGCAGTGGAAACATTTTTCTGGAGACATTTAAATCTTCCAGATCCAT  
 TTCTCGAAAGAATACGGGAAAATGTGTCGTTCTTTTTCCAGAATAAACCAACCAAGCTCCTGCCGTC

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR211062 protein sequence  
 Red=Cloning site Green=Tags(s)

MRRSAAPSQVQGKSFKKTRFIPPGRSNADVSKEITKMSPDPKLFQGAEQSQNDPGVCSSNPCPSEGIPRE  
 VGDGTRVDPLPPVHSASKEITESKAQEEASLLKYFSVVWCKASKKKHKKWEGDAILIVRGRSFTLKDL  
 EGKDIGRGIYKFKDLNVEEGQTLIIIGKEIEILGTISSDDFNSGKCFQHGSGSPAVPSSQAARKCFSN  
 PFKSVQSTQAQGKRWDCRPRHNPCTPNALVMRPDENHQRFNRHCSPIVDVVIDPHLVHHLRPHQKD  
 GIIFLYECVMGMRAVGKCGAILADEMGLGKTLQCISLIWTLQCQGPYGGKPVIKKTLIVTPGSLVNNWRK  
 EFQKWLGSERIKIFTVDQDHKVEEFINSTFHSLIISYEMLLRSLDQIKTIPFGLLICDEGHRLKNSSIK  
 TTTALSSLSEKTVILTGTPVQNDLQEFFALVDFVNPGLGSLSSYRKIYEPIIISREPSSSKEERELG  
 ERRATELTRLTGRFILRRTQEVINKYLPKIEENVVFCRPGALQIELYRKLRSQSVRFCLQGLENSAHL  
 ICIGALKKLCNHPCLLFSSVKGKEFSSSCEENEERNLCQGLLSVFPAGYNPLQFSEESGKLQVLVKLLA  
 VIHELRPTEKIVILVSNYRQTLNVLEEVCKRHGYACARLDGQTPVSQRQHIVDSFNSKYSTDFIFLLSSKA  
 GGVLNLIGGSHLILYDIDWNPATDIQAMSRVWRDQKHPVHIYRLLTTGTIEEKIYQRQISKQGLSGAV  
 VDLTRSSEHIQFSVEELKNLFTLHESSHCYTHDLLDCECTGEKGHTEDASEGPVARSQCQFQPQKSDALR  
 PLSMSQLKQWKHFGSDHLNLPDPFLERIRENVSFFFQNI TNQAPAV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

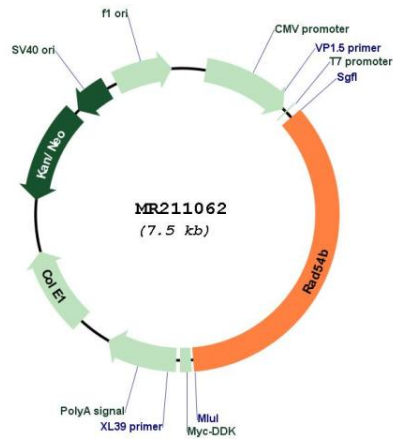
SgfI-MluI

Cloning Scheme:



<b>ACCN:</b>	NM_001039556
<b>ORF Size:</b>	2661 bp
<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
<b>RefSeq:</b>	<a href="#">NM_001039556.3</a>
<b>RefSeq Size:</b>	2925 bp
<b>RefSeq ORF:</b>	2661 bp
<b>Locus ID:</b>	623474
<b>UniProt ID:</b>	<a href="#">Q6PFE3</a>
<b>Cytogenetics:</b>	4 A1
<b>MW:</b>	99.3 kDa
<b>Gene Summary:</b>	Transcriptional repressor that down-regulates the expression of the fibrinogen gamma chain. Represses transcription of GSK3B gene promoter via its interaction with APBA1. [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR211062