

Product datasheet for **MG211062**

Rad54b (NM_001039556) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Rad54b (NM_001039556) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Rad54b
Synonyms:	E130016E03Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>MG211062 representing NM_001039556
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGAGAAGATCTGCAGCACCAAGTCAGGTGCAGGGAAAGTCCTTTAAAAACAAGATTCATACCTCCAG
 GAAGAAGTAATGCAGATGTGAGTAAGGAGATCACAAAGATGAGTCCAGATCCAAAAGTTCAGGGTGC
 TGAACAGTCACAAAATGATCCAGGTGTATGCAGTTCAAATCCTTGCCCAAGTGAGGGAATCCCTAGGGAA
 GTGGGTGATGGGACTAGAGTAGATCCACTTCTCCAGTTCATTCCGGCTCTAAAGAAATCACAGAGTCCA
 AGGCACAAGAAGAGGAAGCTAGCAGCTTGTCTAAATATTTTCAGTGTGTTTGGTGTAAAGCTTCAAAGAA
 AAAACACAAAAGTGGGAAGGCGATGCTATTCTATTGTAAAGGAAAGTCTTCCATTGAAAGATTTG
 GAAGGAAAAGATATTGGAAGAGGCATTGGATACAAATTCAGGACCTTGAGAATGTAGAAGAGGGCCAAA
 CATTGATAATTGGTGGGAAAAGAAATAGAAATCCTGGGGACAATCTTCTGATGACTTCAACAGTGGCAA
 GTGTTTTCAGCACGGAAGTGGAAAGTCTGCTGTCCCAAGTCTCAGGCTGCCAGGAAATGCTTTTCTAAC
 CCTTTCAAAGTGTGTGTCAGTCAACGCAAGCACAGGGAAAAAGATGGAATGACTGCAGACCGCCGATA
 ACCCGTGACACCAAATGCCCTTGTATGCCGCGCCAGACGAGAATCACCAGCGGATGTTAATAGGCA
 CTGCTCTCCTATTGTGGATGTCGTGATAGACCCTCACCTTGACACCACCTCCGACCACATCAGAAAAGC
 GGAATCATCTTCTCTATGAGTGTGTGATGGGAATGAGAGCAGTTGGCAAATGTGGCGCTATTCTTGCTG
 ATGAAATGGGCTTAGGAAAACGTTGCAGTGTATCTCGCTCATCTGGACCCTACAGTGTGAGGGCCCTA
 TGGCGCAAGCCAGTAATAAAGAAGACACTCATTGTTACCCCTGGAAGCCTGGTGAATAATTGGAGGAAA
 GAATTTCAAAAATGGCTGGGAAGTGAAGAGTCAAGATATTACCGTTGATCAGGACCATAAAGTCAGAG
 AGTTTATCAATTCTACATTTTCATTCAGTCTTATCATCAGTTATGAAATGTTACTTCGTTCCCTAGATCA
 AATTAAGACTATCCCATTTGGCCTTCTGATCTGTGATGAGGGACACCGTTTGAAGAACAGCAGCATCAAG
 ACAACGACGCGCCTTTCTAGCCTCTCCTGTGAGAAGACAGTAATTCTCACTGGTACCCAGTTCAGAATG
 ATTTGCAAGATTTTTTGCATTAGTTGATTTTTGTTAATCCAGGAATATTAGGGTCTCTGTCGCTTACAG
 GAAAATATATGAAGAACCATCATTATATCAAGAGAGCCTTCTTCTTCTAAGGAAGAGAGAGAGTTAGGG
 GAGAGAAGAGCAACTGAGCTCACGCGCCTCACTGGACGTTTTATCCTTAGAAGAACTCAGGAAGTCA
 ATAAATATCTCCCGCCTAAGATAGAGAATGTAGTCTTTGCCGACCAGGAGCATTGCAGATTGAACCTTA
 CCGAAAGCTGCTGCGCTCTCAGTCTGTGAGGTTCTGTTTGAAGGACTATTGGAAAATAGTCTCACCTC
 ATCTGCATAGGGCCCTAAAGAAGCTGTGCAACCACCCTTGCCCTTGTTCAGCTCTGTGAAGGGCAAAG
 AATTTAGCTCAAGTTGTGAGGAAAATGAAGAAAGAAATCTATGCCAAGGCTTGCTGTCTGTGTTCCCTGC
 TGGCTACAACCCTCTGCAGTTCTCTGAGGAAGAGTCAGGAAAACCTACAGGTGTTAGTCAAGCTCCTGGCA
 GTGATCCATGAACCTTCGTCCTGAGAAAAGTATTTTGGTATCCAACCTACAGACAAAACCTTGAATGTTT
 TAGAAGAAGTATGTAAGCGTCATGGATATGCTTGTGCAAGACTTGATGGCCAAACACCAGTCTCTCAAAG
 GCAGCACATTGTTGATAGTTTCAATAGTAAATACTCTACTGATTTTATTTTTTATTAAGTTCAAAGCT
 GGTGGTGTGGGACTTAATCTCATTGGAGGATCTCACTTAATCTCTATGATATCGATTGGAACCCAGCTA
 CTGATATCCAGGCCATGTCTAGAGTATGGAGAGATGGTCAGAAGCATCCTGTACATATTTACAGACTCCT
 GACTACAGGTACAATAGAGGAAAAGATCTATCAAAGGCAGATCAGTAAGCAAGGCCTTTCTGGGCGAGTG
 GTAGACCTAACCCAGATCATCTGAACATATCCAGTTTTTCAGTGGAAGAGCTTAAAAACTTGTTCACACTAC
 ATGAAAGTTCACATTGTGTCACCTCATGACCTGCTTACTGTGAGTGCACAGGGGAAAAAGTTCACACCGA
 GGATGCGTCCGAAGGCCCGTCGCTCCCGACAGTGTGAGTTCGGCCCTCAGAAGCTGACGCGCTTGAGA
 CCTCTGTCCATGTCACAGCTGAAGCAGTGGAAACATTTTTCTGGAGACATTTAAATCTTCCAGATCCAT
 TTCTCGAAAGAATACGGGAAAATGTGTCGTTCTTTTTCCAGAATATAACCAACCAAGCTCCTGCCGTC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG211062 representing NM_001039556
 Red=Cloning site Green=Tags(s)

MRRSAAPSQVQGKSFKKTRFIPPGRSNADVSKEITKMSPDPKLFQGAEQSQNDPGVCCSNPCPSEGIPRE
 VGDGTRVDPLPPVHASKEITESKAQEEASLLKYFVVWCKASKKKHKKWEGDAILIVRGRSFTLKDL
 EGKDIGRIGYKFKDLNVEEGQTLIIIGKEIEILGTISSDDFNSGKCFQHGSGSPAVSSQAARKCFSN
 PFKSVCQSTQAQGKRWNDCRPRHNPCTPNALVMRPDENHQRMFNRHCSPIVDVVIDPHLVHHLRPHQKD
 GIIFLYECVMGMRAVGKCGAILADEMGLGKTLQCISLIWTLQCQGPYGGKPVIKKTLIVTPGSLVNNWRK
 EFQKWLGSERIKIFTVDQDHKVEEFINSTFHSVLIISYEMLLRSLDQIKTIPFGLLICDEGHRLKNSSIK
 TTTALSSLCEKTVILTGTPVQNDLQEFFALVDFVNPGLGSLSSYRKIYEPIIISREPSSSKEERELG
 ERRATELTRLTGRFILRRTQEVINKYLPPKIENVVFCRPGALQIELYRKLRSQSVRFCLQGLENSAHL
 ICIGALKKLCNHPCLFSSVKGKEFSSSCEENEERNLCQGLLSVFPAGYNPLQFSEESGKLQVLVKLLA
 VIHELRPTEKIVILVSNYRQTLNVLEEVCKRHGYACARLDGQTPVSQRQHIVDSFNSKYSTDFIFLLSSKA
 GGVLNLIGGSHLILYDIDWNPATDIQAMSRVWRDQKHPVHIYRLLTTGTIEEKIYQRQISKQGLSGAV
 VDLTRSSEHIQFSVEELKNLFTLHESSHCVTHDLLDCECTGEKGHTEDASEGPVARSQCQFQPQKSDALR
 PLSMSQLKQWKHFGSDHLNLPDPFLERIRENVSFFFQNI TNQAPAV

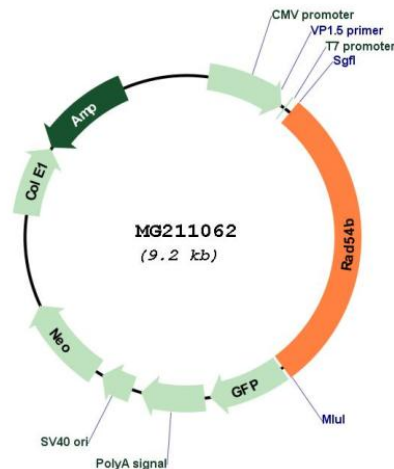
TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:


ACCN: NM_001039556

ORF Size: 2658 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_001039556.3](#)

RefSeq Size: 2872 bp

RefSeq ORF: 2661 bp

Locus ID: 623474

UniProt ID: [Q6PFE3](#)

Cytogenetics: 4 A1

Gene Summary: 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]