

Product datasheet for **MC225618**

Rad54b (NM_001256145) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Rad54b (NM_001256145) Mouse Untagged Clone
Tag: Tag Free
Symbol: Rad54b
Synonyms: E130016E03Rik
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC225618 representing NM_001256145
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGAGAAGATCTGCAGCACCAAGTCAGGTGCAGGAAAGTCCTTTAAAAACAAGATTCATACCTCCAG
GAAGAAGTAATGCAGATGTGAGTAAGGAGATCACAAAGATGAGTCCAGATCCAAAAGTGTTCAGGGTGC
TGAACAGTCACAAAATGATCCAGGTGTATGCAGTTCAAATCCTTGCCCCAGTGAGGGAATCCCTAGGGAA
GTGGGTGATGGGACTAGAGTAGATCCACTTCTCCAGTGCAAAGTGGATGAGACTGCCCAAGCTGGTAC
CAGTTCGCTGCAGT**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-MluI

ACCN: NM_001256145

Insert Size: 297 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).

OTI Annotation: Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.



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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:	<u>NM_001256145.1, NP_001243074.1</u>
RefSeq Size:	4483 bp
RefSeq ORF:	297 bp
Locus ID:	623474
UniProt ID:	<u>Q8BKE5</u>
Cytogenetics:	4 A1
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (2) lacks several 3' exons but has an alternate 3' exon, and it thus differs in the 3' coding region and 3' UTR, compared to variant 1. The encoded isoform (2) has a distinct C-terminus and is significantly shorter than isoform 1. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>