

Product datasheet for MR227829

Rad54b (NM_001256145) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Rad54b (NM_001256145) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Rad54b
Synonyms: E130016E03Rik
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >MR227829 representing NM_001256145
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGAGAAGATCTGCAGCACCAAGTCAGGTGCAGGGAAAGTCCTTTAAAAACAAGATTCATACCTCCAG
GAAGAAGTAATGCAGATGTGAGTAAGGAGATCACAAAGATGAGTCCAGATCCAAAAGTTCAGGGTGC
TGAACAGTCACAAAATGATCCAGGTGTATGCAGTTCAAATCCTTGCCCCAGTGAGGGAATCCCTAGGGAA
GTGGGTGATGGGACTAGAGTAGATCCACTTCTCCAGTGCAAACTGGATGAGACTGCCAAGCTGGTAC
CAGTTCGCTGCAGG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR227829 representing NM_001256145
Red=Cloning site Green=Tags(s)

MRRSAAPSQVQGKSFKKTRFIPPGRSNADVSKEITKMSPDKLFGAEQSQNDPGVCSNCPSEGI
VGDGTRVDLPPVQTMRLPKLVPVRCR

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI

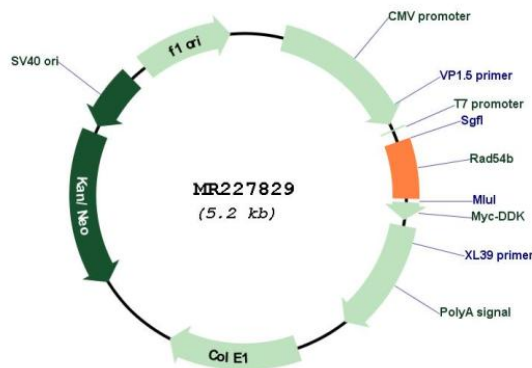


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Cloning Scheme:



Plasmid Map:



ACCN: NM_001256145

ORF Size: 294 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:	<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</u> , <u>NP_001243074.1</u>
RefSeq Size:	4483 bp
RefSeq ORF:	297 bp
Locus ID:	623474
UniProt ID:	<u>Q8BKE5</u>
Cytogenetics:	4 A1
MW:	11.2 kDa
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]