

Product datasheet for MC217739

Rad52 (NM_001166383) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
 Product Name: Rad52 (NM_001166383) Mouse Untagged Clone
 Tag: Tag Free
 Symbol: Rad52
 Synonyms: Rad52yh
 Vector: pCMV6-Entry (PS100001)
 E. coli Selection: Kanamycin (25 ug/mL)
 Cell Selection: Neomycin
 Fully Sequenced ORF: >MC217739 representing NM_001166383
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCTGGGCCTGAAGAAGCAGTCCACAGAGGGTGTGACAACCATCTCCCTTTGTTGGTGGGAAGTCTG
 TGCTCCTCTTTGGACAGAGCCAGTATACAGCGGATGAATACCAGGCCATCCAGAAAGCTCTGAGACAGAG
 ACTGGGTCAGAGTACATTAGCAGCCGCATGGCTGGAGGAGGTGAGAAGGTGTGTATATTTGAAGGTCAT
 CGGGTAATTAATCTGGCCAATGAGATGTTTGGTTACAATGGCTGGGCACACTCCATCACCCAGCAAATG
 TGGATTTTGTGACCTCAACAATGGCAAGTTCTACGTGGGAGTCTGTGCATTTGTAAGGTGCAGTTAAA
 GGATGGTTCCTATCATGAGGACGTGGGCTATGGAGTTAGTGAGGGCTCCGTTCAAAGGCCTTGTCACTG
 GAGAAGGCCAGGAAGGAGGCTGTGACTGATGGGCTGAAGCGAGCACTCAGGAGTTTTGGGAATGCACTTG
 GAACTGTATTCTGGACAAAGACTATCTGAGGTCACTAAATAAGCTTCCACGACAGCTCCCTCTTGATGT
 GGATTTAACTAAAACAAGAGAGAAGATTTTGAACCATCTGTAGAACAGGCAAGATACAACAGCTGCCGA
 CAGAATGAAGCATTGGGACTCCCCAAACCACAGGAAGTGACTTCCCTTGCAGATCAAGCCCCCACATG
 ACTCGAACATTAAGCTTCAGGGGGCTAAGGACATCAGCAGCTCCTGCAGTCTGGCCGCCACCTTGGAGAG
 TGACGCCACTCACAGAGGAAGCTCCGGAAGCTCCGGCAGAAGCAGCTCCAGCAGCAGTTCCGGGAACAG
 ATGGAGACTCGCCGGCAGAGCCATGCACCTGCCGAAGAGGTGGCAGCCAAGCATGCGGCAGTACTTCCAG
 CCCCTCCAAAACACAGCACCCCTGTAAGTGCAGCCTCAGAACTCCTCCAGGAGAAAGTCTCTTTCCAGA
 TAACCTTGAAGAGAACCTTGAATGTGGGACCTTACTCCAGACTTAGAGGACATCATTAAGCCCTTGTGT
 AGAGCAGAACCAGCCAAACTTCTGCCACTCGAACCTTCAACAACCAGGACAGCGTCCCACATATCCATT
 GCCATCAGAAACCACAAGAAAAGCCTGGACCTGGGCACCTGCAGACCTGCAACACCAACCAGCATGTTCT
 AGGTAGCAGAGGTGTGTGGAAGAATGAAAGTTCTGGGTTAATTCTTTAACATGTAAGGAAAGGTGCTA
 GTTCATTTAAGACGCTGACT**TAA**

ACGGTACGGCGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA



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Restriction Sites:	Sgfl-Mlul
ACCN:	NM_001166383
Insert Size:	1284 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).
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_001166383.1</u> , <u>NP_001159855.1</u>
RefSeq Size:	1626 bp
RefSeq ORF:	1284 bp
Locus ID:	19365
Cytogenetics:	6 56.86 cM
Gene Summary:	<p>Involved in double-stranded break repair. Plays a central role in genetic recombination and DNA repair by promoting the annealing of complementary single-stranded DNA and by stimulation of the RAD51 recombinase (By similarity).[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (2) uses an alternate splice site in the 3' coding region, which results in a frameshift, compared to variant 1. It encodes isoform 2, which has a longer and distinct C-terminus, compared to isoform 1.</p>