

## Product datasheet for **MC209286**

### Rad52 (NM\_001166381) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Rad52 (NM\_001166381) 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:** >MC209286 representing NM\_001166381  
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGGCTGGGCCTGAAGAAGCAGTCCACAGAGGGTGTGACAACCATCTCCCTTTGTTGGTGGGAAGTCTG  
TGCTCCTCTTTGGACAGAGCCAGTATACAGCGGATGAATACCAGGCCATCCAGAAAGCTCTGAGACAGAG  
ACTGGGTCAGAGTACATTAGCAGCCGCATGGCTGGAGGAGGTGAGAAGGTGTGTTATATTGAAGGTCAT  
CGGTAATTAATCTGGCCAATGAGATGTTTGGTTACAATGGCTGGGCACACTCCATCACCCAGCAAATG  
TGGATTTTGTGACCTCAACAATGGCAAGTTCTACGTGGGAGTCTGTGCATTTGTAAGGTGCAGTTAAA  
GGATGGTTCCTATCATGAGGACGTGGGCTATGGAGTTAGTGAGGGCTCCGTTCAAAGGCCTTGTCACTG  
GAGAAGGCCAGGAAGGAGGCTGTGACTGATGGGCTGAAGCGAGCACTCAGGAGTTTTGGGAATGCACTTG  
GAACTGTATTCTGGACAAAGACTATCTGAGGTCACTAAATAAGCTTCCACGACAGCTCCCTCTTGATGT  
GGATTTAACTAAAACAAAGAGAGAAGATTTTGAACCATCTGTAGAACAGGCAAGATACAACAGCTGCCGA  
CAGAATGAAGCATTGGGACTCCCCAAACCACAGGAAGTGACTTCCCTTGCAGATCAAGCCCCCACATG  
ACTCGAACATTAAGCTTCAGGGGGCTAAGGACATCAGCAGCTCCTGCAGTCTGGCCGCCACCTTGGAGAG  
TGACGCCACTCACAGAGGAAGCTCCGGAAGCTCCGGCAGAAGCAGCTCCAGCAGCAGTTCCGGGAACAG  
ATGGAGACTCGCCGGCAGAGCCATGCACCTGCCGAAGAGGTGGCAGCAAGCATGCGGCAGTACTTCCAG  
CCCCTCCAAAACACAGCACCCCTGTAAGTGCAGCCTCAGAACTCCTCCAGGAGAAAGTCTCTTTCCAGA  
TAACCTTGAAGAGAACCTTGAATGTGGGACCTTACTCCAGACTTAGAGGACATCATTAAGCCCTTGTGT  
AGAGCAGAACCAGCCAAACTTCTGCCACTCGAACCTTCAACAACCAGGACAGCGTCCCACATATCCATT  
GCCATCAGAAACCACAAGAAAAGCCTGGACCTGGGCACCTGCAGACCTGCAACACCAACCAGCATGTTCT  
AGGTAGCAGAGAAGACTCTGAACCTCATAGGAAGGCCAGGACCTGAAGAAAAGGAACTAGATCCATCC  
TGA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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<b>Restriction Sites:</b>	Sgfl-Mlul
<b>ACCN:</b>	NM_001166381
<b>Insert Size:</b>	1263 bp
<b>OTI Disclaimer:</b>	<p>Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at <a href="mailto:custsupport@origene.com">custsupport@origene.com</a> or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>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></p>
<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_001166381.1</a> , <a href="#">NP_001159853.1</a>
<b>RefSeq Size:</b>	1698 bp
<b>RefSeq ORF:</b>	1263 bp
<b>Locus ID:</b>	19365
<b>UniProt ID:</b>	<a href="#">P43352</a>
<b>Cytogenetics:</b>	6 56.86 cM
<b>Gene Summary:</b>	<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 (1) represents the longest transcript and encodes isoform 1.</p>