

## Product datasheet for MC224519

### Rad54I2 (NM\_030730) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Rad54I2 (NM\_030730) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Rad54I2  
**Synonyms:** Arip4; D130058C05; G630026H09Rik; Srisnf2l  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >MC224519 representing NM\_030730  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGTCAGACGAATCCGCCTCAGGGAGCGATCCAGACCTGGACCCGGACGTGGAGCTGGAGGATGAGGAAG  
 AGGAGGAGGAGGAGGAGGAGGTGGCAGTGGAGGAGCATGACAGGGATGACGAGGAAGGCCTGCTGGA  
 TGACACATCCCTGGAAGGCATGTGTGGCACTGAGCATGCCAGCTGGGGGAAGATGGGCAGCGGCCCGCC  
 CGGTGCACCTTCACTACCTCATCTCAGTCTGAGCCTTCAGAGCAGCTTAGGCACCAAGGCAAGATCCTAG  
 CATCCGAGGACCCAAAAAGAAGCGAGCTCAGAAGCCCTCTCACATGAGAAGAAACATACGAAAGCTACT  
 CCGGGAGGATCAGTTGGAGCCCGTAACCAAAGCAGCACAGCAGGAAGAATTGAAAAGAAGAAAGCGCCTG  
 GAGCAGCAGAGGAAAGAAATGACAGCCCCATTCTACTGTCCCTTTGGAGTTCCTACCTGAGGAAATTG  
 TCTTACGAGCTAGTGATGGTCCCAACTCCCACCTCGGGTCTTAGCCAGGAAGTCATTTGTTGGACAG  
 TAGCAGTGGCAGTGAGGATGAAAAGAGTAGTCGAGACGAGGTAAATTGAGCTGAGTCTGGAGAGGAGGAT  
 ACGCTGCACATCGTGGACAGCAGTGAGTCTGTGAGGAGGAGCAGGAAGAGGAGAAGGGTGGCACCC  
 ATGTGAATGACGCCTTAAACCAGCATGATGCTCTCGGGCGGGTCTTGTCAACCTGAATCACCCCTCAGA  
 GGAGGAGAATGTCTTCTGGCCCCCAGTTGGCAGGGCTGTGAAACCTCATCAGATTGGTGGGATCCGG  
 TTCTATATGATAACCTAGTGGAGTCTTAGAAAAGGTTTAAAGACAGTAGTGGCTTTGGCTGTATCTGG  
 CCCATAGCATGGGCTGGGAAAACCTCTGCAAGTATCTCCTTATTGATGTCTTTCCGCCATACGCC  
 AGCCAAAACAGTCCTTGCCATTGTGCCGTGAACACTCTCAGAAATTGGTTGGCAGAGTTCAACATGTGG  
 CTCCCGGCTCCTGAAGCCCTCCCAGCCGACAGCAAGCCTGAAGAAGTCCAGCCTCGGTTCTTTAAAGTTC  
 ATATCTTGAATGATGAACACAAGACGGTGGCATCCCGTGTAAAGTACGGCTGATTGGGTTTCAGAGGG  
 TGGAGTGTACTGATGGGTATGAGATGTACAGACTACTCACACTGAAGAAGTCTTAGCCACAAGTAGG  
 CCGAAGAAAACCAAGAACGCTCTCATCCGTCATCATTGATCTGGATGAAGAAGACCGGCAGCAGGAGT  
 TCCGGAGAGAGTTTGAGAAGGCCTATGCCGCCCTGGTCTGATGTGGTATCTGTGACGAGGGACACCG  
 CATCAAAAATTGCCAAGCCAGCACCTCACAGGCTCTGAAGAACATACGTTCTCGTCGGCGGGTAGTGCTG  
 ACTGGCTACCCTACAGAACAACCTCATTGAGTACTGGTGCATGGTGGACTTTGTGCGCCAGATTTCC



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TTGGTACTCGTCAGGAGTTTAGCAACATGTTTGAACGCCCTATCCTAAACGGACAGTGTATTGACAGCAC  
 ACCTCAGGATGTCCGCTCATGCGCTACCGGAGCCATGTTTTGCACAGCCTCCTGGAGGGCTTTGTGCAG  
 AGGAGAGGCCACACTGTGTTGAAGATTCACCTCCCTGCCAAAGAAGAAATGTGATCCTGGTGCGGCTTT  
 CTCAGATCCAGCGAGATTTGTACACACAATTCATGGACCGTTTCCGGGATTGTGGTACCAGTGGCTGGT  
 AGGGCTGAATCCTCTGAAGGCTTCTGTGTATGCTGCAAGATCTGGAACCATCCTGATGTGCTGTATGAA  
 GCCCTTCAGAAGGAAAACCTAGCCAATGAGCAAGACCTAGATGTGGAAGAACTTGGCTCAGCGGGGACCA  
 GTGCCCGCTGCCACCACATGGCACAAGTCAAGGGAGAAGATAGTGCCTTGCCTTCCATCAATGGGAGA  
 AGCAACCAACAGCAAGTTCTACAGGGAGTTGGCTTTAACCTTTCCAGGAACGGGGCAATAACATTGTT  
 ACATATGAGTGGGCCAAGGAGCTTCTGACTAATTATCAGACTGGAGTCCCTGGAGAACTCTCCCAAGATGG  
 TACTGCTTTTCCACCTGATTGAAGAAAGCGTGAAGCTCGGGGACAAGATTCTTGTATTTAGCCAGAGCCT  
 TTCTACCTTGGCTCTCATCGAGGAGTTCCTAGGAAAACGAGACATGCCTTGTCTGCCTGGTGCCGAGGGG  
 CAAGGAACACAGAAGTGGGTCGAAATGTCAGCTACTTCCGGCTAGATGGTAGCACCCCTGCCTTTGAGA  
 GGGAGCGGCTCATTAAATCAGTTCATGATCCCAGCAACCTCACCACCTGGCTGTTCTTCTCCACAAG  
 GGCCGGATGCTTGGGGTGAATCTGATTGGTGCCAAATCGAGTGGTGGTATTTCGATGCTTCTGGAACCT  
 TGCCATGATGCCAGGCAGTATGTCGGGTATACCGTTATGGCCAGAAAAGCCCTGTCACATCTATCGAC  
 TCGTGGCTGATTAACTCTTGAAGAAGATATATGACCGGCAGATTTCCAAGCAGGGCATGTCAGATCG  
 GGTAGTGGATGATCTAAATCCAATGCTGAACTTCAACCGGAAGGAAGTGGAAAACCTGCTGCACTTTGTT  
 GAGAAGGAGCCAGCTCCCAACATCTTTGGATATAAAGGGGATCAAGGAGTCACTTGAACCTTGCCT  
 GCCTGAAGTACCCTCACCTCATCACAAGGAGCCTTTTGAACGACGAGTCACTTGCCTCAACCGAAAAGA  
 TCACAAGTGAACAAAGTGAAGAAGAAAGCAGCAAAAGAAAGCTATGAGGAGGACAAACGCACATCAGTA  
 CCCTATACCGCCCATCATATGCACAGTATTACCTGCCAGCGACCAGAGCCTGACCAGCATCCCTGCCT  
 TCAGTCAGAGGAACTGGCAGCAACACTGAAGGGTGTGAAAAGCCTGTGGCCAGCGTTCGTCCTGTACA  
 GTCCACCCCATTCCTATGATGCCCGGCATGTCCACTCAGTGGTGGTGAAGCTGCTCCAGCACA  
 AATACATCCATGAACTTCCCTATCAACTACTTGCAGCGGCAGGAGTCTTGTGCAGAAAGTGGTTACCA  
 CGACAGATATTGTTATCCCTGGACTCAACAGCTCCACAGATGTTCAAGCAAGAATCAATGCTGGTGAAG  
 CATCCACATCATCCGAGGGACGAAAGGGACATACATCCGCACCAGTGTGGACGCATCTTTGCTGTCCGG  
 GCGACCGGCAACCAAAGGCCCTGAAGATGGTCGGATGGCTGCCTCAGGTTCCAGGGGCTTCTCTTG  
 CGTCCACAAGCAATGGCAGACATAGTGCCTCATCACCCAAAGCCCTGACCCGAGGGGCTGGCCCGCC  
 GGTCTCTCCTGACAGCCAGAAATCATCAGTGAATCCAGCAGTATGCAGATGTGGCCGCTGCTCGGGAA  
 TCCCGGCAGAGCTCCCAAGCGTCAGTGCTGCCCTGCCTGGGCCCGGGCCAGCTTATGGACAACAGCA  
 CCATTCTGGGACAGCTCTTGAAGTGAAGCAGTGCCTTGGGGTCAATGCCTCAATAGTTCCTCTTGGT  
 GACTGGCCAGCCAGTGGTGGCAGGCACCCAGTGCCTGACTTAAGGGGCCATAAGCGAAAGTGGCTACT  
 CCGTCTGTCAACAGGAATCAGTCCGTCGACGGTCCAGGAAGGGCCATCTGCCAGCCCCGTGACGCCCT  
 ATGAACATGGGTATCCAGTCTCTGGCGGGTTGCAATGCCGCCTGTCTCCTAAATCATAACCTCACCAC  
 CCCCTTCACTCCAGGCTGGGGAGAATCCCTATTTATGGGCAGTAATCCCTCTACTACCAGCTGTCC  
 AATTTGCTGGCAGATGCCCGCTGGTGTTCAGTGACTACTGACCCTCTGGTGGCAGCAGGCCCTGTCA  
 GTTCTCTTCCACGGCTACCTCAGTCACTGCCAGCAACCCCTCCTCATGCTCAACCCCTCCGTGCCAGG  
 GATGCTACCCAGTATTCACTCCATTCTCACAGCCACTCCTGTCCGAGCCAGGATGTTTGGCCCTTTC  
 CCTTCCCCGGCTTGGCCAGCAACCTTCTCGGGCGTGTCTGTCTACCCAGGCTATATGTCCCCACATG  
 CAGGCTACCCAGCTGGTGGCCTCCTCCGGTCCAGGTGCCTCCATTTGACTCGCATGAGGTGGCGGAGGT  
 GGGTTACAGTCCAATGATGATGAGGATAAAGATGATGATGTGATAGAGGTCCTGGAAGTAG

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_030730  
**Insert Size:** 4404 bp

<b>OTI Disclaimer:</b>	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).
<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>	<u>NM_030730.2, NP_109655.2</u>
<b>RefSeq Size:</b>	9342 bp
<b>RefSeq ORF:</b>	4404 bp
<b>Locus ID:</b>	81000
<b>UniProt ID:</b>	<u>Q99NG0</u>
<b>Cytogenetics:</b>	9 F1
<b>Gene Summary:</b>	DNA helicase that modulates androgen receptor (AR)-dependent transactivation in a promoter-dependent manner. Not able to remodel mononucleosomes in vitro. Acts as an AR-coregulator in Sertoli cells.[UniProtKB/Swiss-Prot Function]