

## Product datasheet for **RR209078**

### Rad54l (NM\_001134960) Rat Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Rad54l (NM_001134960) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Rad54l
Synonyms:	MGC189414
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>RR209078 representing NM\_001134960  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGAGGAGGAGCTTAGCTCCCAGCCAATTGGCCAGGAGGAAACCAGAAGACATATCGTCTGATGATGAAG  
 ACTGGCAGCCTGAGACAGTAACCCCTAAAAACGCAAGTCCACTGCCGAGACCCAGGCCAGCAGTGTTT  
 CCTGTCTCCTTTTCGGAAGCCCTTGACTCAGTTACTCAACCGACCGCCTTGTCTGGATAGCAGTCAGCAT  
 GAAGCGTTTATCCGAAGTATTTTGTCAAAGCCTTCAAGGTCCCCATTCCAAATTATCAAGGTCCCTGG  
 GCTCTCGAGCATTGGGCCTGAAGAGGGCTGGCGTTTCGTCGTGCCCTGCATGACCCCTGGAAGAAGGTGC  
 CTTGGTCTGTATGAGCCTCCCCACTGAGCGTCCATGACCAACTGAAGCTTGACAAAGAAAACTCCCT  
 GTTCACGTGGTTGATAGATCCTATTCTCAGTAAGGTGTTGCGACCTCATCAGAGAGAGGGAGTGAAGTTCC  
 TTTGGGAGTGTGCACCAGTCGACGAATTCCTGGAAGCCATGGTGCATCATGGCTGATGAGATGGGCCCT  
 AGGAAAGACACTGCAGTGCATCACATTGATGTGGACACTTTTGGCCAGAGCCCAGAGTGAAGCCAGAA  
 ATTGAGAAAGCAGTGGTGGTCTCACCTCCAGCCTGGTGAAGAAGTGGTACAATGAGGTTGAGAAATGGC  
 TTGGAGGGAGGATCCAACCTCTGGCCATCGACGGAGGCTCAAAGGATGAGATAGACCCGAAAACTGGAAGG  
 ATTCATGAACCAGCGTGGAGCTAGGGTGCCTTCCCCATCCTCATCATCTCCTATGAGACTTTCCGCCTG  
 CATGTTGAAGTCTTAAAAAGGAAACGTTGGACTGGTCAATGTGACGAGGGCCACAGGCTAAAGAAGT  
 CTGAGAACCAGACTTACCAGGCTCTGGACAGTCTGAATACCAGCCGGCGGGTGCATCTCCGGGACCCC  
 CATCCAGAACGATTTGCTTGAATATTTCAAGTGGTGCCTCGTTAATTCAGGCATTTTGGAACTGCC  
 CATGAATTCAGAAGCATTGTTGAATACCAATTTGAAGAGTGCAGATGCAGTGCAGTGCAGTGCAGTGCAGT  
 TGATATCCTCTAAGTATCTGCCAGTGAAGATTGAGCAGGTGGTTTGTGTAGGCTGACACCCCTTCAA  
 ACTGAGCTATACAAGAGATTTCTAAGACAGGCTAAGCCTGAAGAAGAATTGCATGAGGGCAAGATGAGTG  
 TATCTTCCCTGTCTTCTATCACCTCTCTAAAGAAGCTGTGTAATCATCCAGCTCTAATCTATGACAAGTG  
 TGTGGCAGAGGAGGATGGCTTTGAGGGCACTTTGGGTATCTTCCCCCTGGTTATAACTCTAAAGCTGTA  
 GAACCACAGTTGTCGGTAAGATGCTGGTCTTGACTACATTCTGGCCATGACTCGAAGCCGTAGCAGTG  
 ACAAGTCTGCTGGTGTCAAATATACTCAGACATTGGATCTCTTTGAAAAGCTGTGCCGGCTCGAAG  
 GTACTTGTATGTTCCCTGGATGGCAGCATGTCCATTAAGAAGCGAGCCAAAGTTGTGGAGCGCTTCAAT  
 AGCCCATCGAGCCCTGATTTGTTTTTCATGCTGAGCAGCAAAGCTGGAGGCTGTGGGCTTAACTCATTG  
 GTGCTAACCGGCTGGTCAATGTTGATCCTGACTGGAAATCCAGCCAATGATGAACAAGCTATGGCCCGAGT  
 CTGGCGAGACGGTCAAAGAAGATCTGCTATATCTACCGACTGCTCTCTGCAGGAACAATTGAGGAAAAAG  
 ATCTTTACGCGCAAAGCCACAAGAAGGCTCTGAGCAGCTGTGTGGTAGATGAGGAGCAGGATGTGGAAC  
 GTCACTTCTCTTGGTGGTCAAGAGCTGTTACCCTGGATGAAGCCAGCCTCAGTGACACTCACGA  
 CAGACTGCATTGCCCGCCTTGTGTAATAACCGCCAGGCTGGCCACCCCTGATGGTCTGACTGCACT  
 TCAGACCTGGCTCAGTGAACATAACACAGATAAACGAGGGCTCCAGGATGAGGTACTCCAGGCTGCCT  
 GGGATGCTTATCTACAGCCATCACCTTCGTTCCACCAGCGTTCATGAGGAGCAGCGGGTCTTCA  
 CTGC

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >RR209078 representing NM\_001134960  
 Red=Cloning site Green=Tags(s)

MRRSLAPSQLARRKPEDISSDDEDWQPETVTPKKRKSTAETQAQCFLSPFRKPLTQLLNRPCLDSSQH  
 EAFIRSIILSKPFKVIPNYQGGLGSRALGLKRAGVRRALHDPLEEGALVLYEPPPLSVHDQLKLDKEKLP  
 VHVVDPIILSKVLRPHQREGVKFLWECVTSRRIPGSHGCIMADEMGLGKTLQCITLMWTLRLRQSPECKPE  
 IEKAVVSPSSLVKNWYNEVEKWLGGRIQPLAIDGGSKDEIDRKLEGFMNQRGARVPSILIIISYETFRL  
 HVEVLKKGNGVGLVICDEGHRLKNSNQTYQALDSLNTSRRVLSGTPIQNDLLEYFSLVHFVNSGILGTA  
 HEFKKHFEPLILKSRDAAASEADRQLGEERLRELSIVNRCLIRRTSDILSKYLPVKIEQVVCRLTPLQ  
 TELYKRFRLQAKPEEELHEGKMSVSSLSSITSLKLCNHPALIYDKVAEEDGFEGTLGIFPPGYNSKAV  
 EPQLSGKMLVLDYILAMTRSRSDDKVVLSNYTQTLDFEKLCRARRYL YVRLDGTMSIKKRAKVVERFN  
 SPSSPDFVFMSSKAGGCGNLIGANRLVMFDPDWNPANDEQAMARVWRDQKKICYIYRLLSAGTIEEK  
 IFQRQSHKKALSSCVVDEEQDVERHFSLGEKELFTLDEASLSDTHDRLHCRRCVNNRQVWPPPDGSDCT  
 SDLAQWNHNTDKRGLQDEVLQAAWDASSTAITFVFHQRSHEEQRLGHC

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



\* The last codon before the Stop codon of the ORF

**ACCN:** NM\_001134960

**ORF Size:** 2244 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:**

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:** [NM\\_001134960.1](#), [NP\\_001128432.1](#)

**RefSeq Size:** 2820 bp

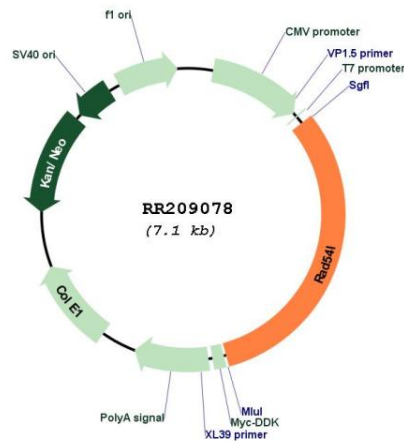
**RefSeq ORF:** 2247 bp

**Locus ID:** 298429

**Cytogenetics:** 5q35

**MW:** 84.9 kDa

**Product images:**



Circular map for RR209078