

Product datasheet for **RR214087**

Rad21 (NM_001025701) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Rad21 (NM_001025701) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Rad21
Synonyms:	MGC116373
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

**ORF Nucleotide
Sequence:**

>RR214087 representing NM_001025701
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTTCTACGCACATTTTGTCTCAGCAAACGAGGGCCTCTGGCCAAAATTTGGCTGGCGGCCATTGGG
 ACAAGAAGCTAACCAAAGCCCATGTGTTTGAGTGTAACTTAGAAAAGCAGTGTGAAAGTATCATCTCACC
 TAAGGTGAAGATGGCGCTGCGGACGTCAGGACACCTCCTCCTGGCGTAGTCCGCATCTATCACAGGAAA
 GCCAAATACCTCCTCGCGGACTGTAATGAAGCATTATATAAAATAAAGATGGCTTTTCGGCCAGGTGTTG
 TCGATCTACCTGAGGAAAATCGGGAAGCGGCTTATAATGCCATTACTTTACCTGAGGAATTTACAGATT
 TGACCAGCCACTGCCAGACTTAGATGACATTGACGTCGCCAGCAGTTTACGCTTGAACCAGAGCAGAGTA
 GAAGAGATAACCATGAGAGAAGAAGTTGGGAACATCAGTATCCTACAGGAAAATGACTTCGGTGACTTTG
 GAATGGATGACCGTGAATCATGAGAGAAGGCAGTGCTTTGAGGATGACGACATGTTAGTGAGCACCAG
 TGCTTCCAACCTCCTCTAGAGCCTGAGCAGAGCACCAGCAACCTGAATGAAAAGATTAACCATTTAGAG
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 CTGGACCTGGCCCGCCCAAGAAGCTGATGATGTGAAAGAGACGGGAGGGTGGAGAAGCTCTTCT
 CTTACCAGCGCAGCCATTGTGGAATAACCGACTACTGAAGCTCTTACACGCTGCCTTACTCCACTTGT
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 TTGATGAGCCATTATAGAAGAGCCAAGCCGCTTCAGGACTCAGTGATGGAGGCCAGCAGAACAACAT
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 CCAATATCTGTCAGCTGATACCGGAGTTAGAGCTTCTACCAGAAAAGGAGAAGGAGAAGGAGAA
 GGAGGAGGAAGAAGAGGAGGAGGATGAAGATGCTTCAGGGGTGATCAGGATCAAGAGGAAAGGAGATGG
 AACAAAAGGACTCAGCAGATGCTTCATGGTCTTACGCGAGCTCTTGCTAAAACCTGGAGCAGAGTCGATCA
 GTTTGCTTGAGCTATGTCGAAACACAAACCGAAAGCAGGCAGCAGCAAAGTTCTACAGCTTTTGGTTCT
 TAAAAGCAGCAAGCCATCGAGCTCACACAGGAAGAGCCGTACAGTGACATCATTGCAACACCTGGACCA
 AGGTTCCACATCATC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR214087 representing NM_001025701
 Red=Cloning site Green=Tags(s)

MFYAHFVLSKRGPLAKIWLAAHWKDKLTKAHVFECNLESSVESIISPKVKMALRTSGHLLLGVVRIYHRK
 AKYLLADCNEAFIKIKMAFRPGVVDLPEENREAAYNAILPEEFHDFDQPLPDLDDIDVAQQFSLNQSRV
 EEITMREEVGNISILQENDFGDFGMDREIMREGSAFEDDDMLVSTSASNLLLEPEQSTSNLNEKINHLE
 YEDQYKDDNFGEGNDGGILDDKLI SNNDGGIFDDPPALSETGVMLPEQPAHDDMDEDDNGSLGGPDSPDS
 VDPVEPMTMTDQTTLVPNEEEAFALEPIDITVKETKAKRKRKLI VDSVKELDSKTIRAQLSDYSDIVTT
 LDLAPPTKCLMMWKETGGVEKLFSLPAQPLWNNRLLKLFTRCLTPLVPEDLRKRRKGGEADNLDEFKLF
 ENPEVPREEQQPQQQQAQRDVIDEPIIEEPSRLQDSVMEASRTNIEESAMPPPPPQGVKRKAGQVDPE
 PAIPPQQVEQMEIPPVELPPEEPPNICQLIPELELLPEKEKEKEKEKEKEKEKEKEKEKEKEKEKEKE
 NKRTQQMLHGLQRALAKTGAESISLLELCRNTNRKQAAAKFYSFLVLLKKQQAIELTQEEPYSDIATPGP
 RFHII

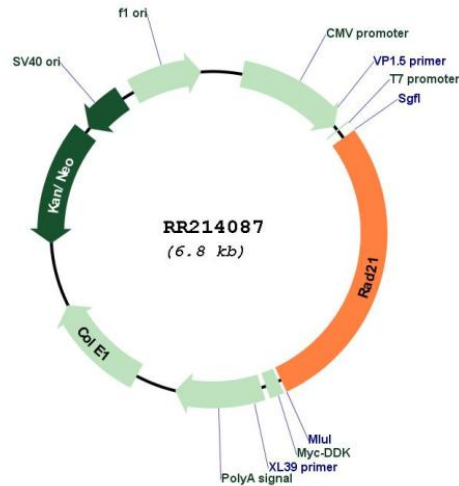
TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:


ACCN: NM_001025701

ORF Size: 1905 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_001025701.1](#), [NP_001020872.1](#)

RefSeq Size: 3582 bp
RefSeq ORF: 1908 bp
Locus ID: 314949
Cytogenetics: 7q31
MW: 72 kDa