

## Product datasheet for **RR204956**

### Rad17 (NM\_001024778) Rat Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Rad17 (NM_001024778) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Rad17
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>RR204956 representing NM\_001024778  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGTCAGAAACTTTCCTTAGACCAAAGGTGCTTCTACAAGGTAACAGACTGGGTAGATCCGGCATTG  
 ATGACTTTTCAGCGAACACTGCTGTACCACCATCACCGTTTCATCTCTAAGTTTGAATAACTCCAGTCA  
 CAGAAGAAAATACTTGCCTCCACATTAGAAAAGTAACAGATTGTCTGCTAGGAAAAGAGGAAGGCTGCCT  
 TTAGAACAGACTAATGGTCTAGAAAAGTCAAAAAGAAATATCTGTCTGACGATGAGCCATGGGTGGATAAGT  
 ATAAACCAGAACTCAGCATGAGCTTGCTGCCATAAAAAGAAAATTGAAGAAGTTGAAACCTGGTTAAA  
 AACTCAAGTCTTAGAAGTGAAGCCGAAACCGGTGGTCTATTTTATTAATAACAGGTCTCCAGGATGT  
 GGAAGACAACACTATAAAAACTGTCAAAGGAGCTTGGGATTCAAGTACAAGAATGGGTTAATCCCA  
 TTTTACAAGACTTCCAAAAGATGATTACAAGGAGTTATTTAATTCAGAGTCAAACCTTCTGTCTCATTCC  
 ATACCAATCTCAGATAGCAGTCTTCAATGACTTTCTGTTAAGAGCCACCAAGTACAACAAATTGCAGATG  
 CTTGGAGATGCCCTGACAACAGATAAGAAGATAATTCGTTGAGGATCTACCTAACCAATTTTATCGAG  
 ATGCTAATGCTTTACACGAAATCTAAGGAAGTATGTGCACATCGGCCGGTGTCTCTTGTATTTATAGT  
 CTCTGACAGTGTGAGTGGAGATAGTAATCATCGGTTACTCTTTCCAAAAACATTCAAGAAGAGTGTCT  
 GTTTCAAATATTAGTTTCAACCTGTGGCCACCAACAATTATGATGAAATTTCTTAATCGAATTGTGACTA  
 TAGAAGCTAGTAAGAATGGAGAAAAAATACTGTTCTAATAAAGCTTCTTTGGAGTTGCTCTGTCAAGG  
 ATGTTCTGGTGATATCAGAAGTGAATAAACAGCCTGCAGTTTCTTCTTCAAAGGAGAGAACAGTTCA  
 TGGTCAAAGAAGAAAAGATGTCATTGAAATCAGATGCTTCGATTTCAAAGCAAAGCAGAAAAGGAAAC  
 ATAAATGACTTTGGAAAATCAGGAGATTCAAGCTATTGGTGGAAAAGATGTCTCTTTTTCTCTCAG  
 AGCTTTGGGGAAAATTCGTACTGTAAAAGAGCACCTTTAACAGAGCTCGCCTCGCCTCGCCTGCCGGCT  
 CACTTGTGAGAGCATGACCGGGATACTTTGCTTGTTCAGCCGAGGAAATAGTAGAAATGTCACACATGC  
 CAGGAGAAATTTTTAATTTGTACCTTACCAAAAACACTACATAGATTTCTTACCGACGTAGATGACCTTGT  
 GAGAGCCAGTGAATTTCTGAGTTTTGCAGATATCCTCGGTGGTACTGGAATACGCGCTCTTCACTCAGG  
 GACTATAGTACATCTATAGCTGCAAGAGGTGTGATGCATTCCAATACATCTCGGAGATTCGCTCATTGCC  
 AAGGAGGGGGATCCAGCTTTCGACCCTTACATAAGCCCAATGGTTTCTAATACAGAAAAAGTATCGGGA  
 AAATTGCCTGGCAGCGAAAGCACTCTTCTGTGACTTCTGCCTACCCGCTGTGTCTGCAGACTCAGCTC  
 TTGCCTTATCTTGTCTTCTGACCAATCCAATGCGAAACAAGCTCAGATTTCTTTTATCCAAGATATTG  
 GAAGACTTCCTTTGAAGCGAAACTTTGGGAGGTTGAAAATGGAGGCCCTGACTGACCGAGAGCTCGGGCT  
 CATAGACCCTGACAGCGGGGATGAATTGCTGCACAGTGGAGGACAGCCTGCTCAGGAGGCTCAGGGCCAG  
 CCCGCCAGACTGCTGACCCAGAAACCTGGTCTCTCCCTTTGAGTCAGAACAGTGGGAGCGATCTGCCTG  
 CCAGCCAGCCTCGGCCCTTTCTCCAAAGTGGACCTGGAAGAGGAGGAGGGAAGAGGAAGACATAGT  
 AATAGAGGACTATGACAGCGATGAGGCA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >RR204956 representing NM\_001024778  
Red=Cloning site Green=Tags(s)

MSETFLRPKVSSTKVTDWVDPAFDDFSANTAVTTITVSSLSLNSSSHRRKYLPTLESNRLSARKRGRLP  
 LEQTNGLETSKEYLSDDEPWVDKYKPETQHELAVHKKKIEEVETWLTQVLEVKPKHGGSILLITGPPGC  
 GKTTTTIKILSKELGIQVQEWNPILQDFQKDDYKELFNSESNFSVIPYQSQIAVFNDFLLRATKYNKLQM  
 LGDALTTDKKIILVEDLPNQFYRDANALHEILRKYVHIGRCPLVFIVSDSVSGDSNHRLLPKNIQEECS  
 VSNISFNPVAPTIMMKFLNRIVTIEASKNGEKITVPNKASLELLCQCGSGDIRSAINSLQFSSSKGENSS  
 WSKKKKMSLKSASISKAKQKRKHSTLENQEIQAIIGKDVSLFLFRALGKILYCKRAPLTELASPRIPA  
 HLSEHDRDRLLVQPEEIVEMSHMPGEFFNLYLHQNYIDFFTDVDDLVRASEFLSFADILGGDWNTRSSLR  
 DYSTSIAARGVMHSNTRSRRFAHCQGGGSSFRPLHKPQWFLIQKKYRENCLAAKALFCDFCLPAVCLQTQL  
 LPYLALLTIPMRNKAQISFIQDIGRLPLKRNFGRLKMEALTDRELGLIDPDSGDELLHSGGQPAQEAQGG  
 PAQTADPETWLSLPLSQNSGDLPASQPRPFSSKVDLEEEEEEDIVIEDYDSDEA

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**



**ACCN:** NM\_001024778

**ORF Size:** 2058 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\\_001024778.1](#), [NP\\_001019949.1](#)

**RefSeq Size:** 2790 bp

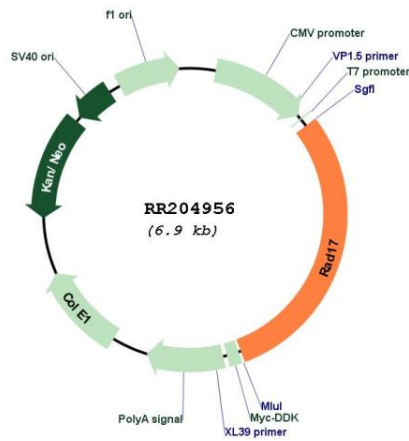
**RefSeq ORF:** 2061 bp

**Locus ID:** 310034

**Cytogenetics:** 2q12

**MW:** 77.3 kDa

**Product images:**



Circular map for RR204956