

## Product datasheet for **RC204963**

### **RCOR2 (NM\_173587) Human Tagged ORF Clone**

#### **Product data:**

|                           |  |
|---------------------------|--|
| Product Type:             | Expression Plasmids                      |
| Product Name:             | RCOR2 (NM_173587) Human Tagged ORF Clone |
| Tag:                      | Myc-DDK                                  |
| Symbol:                   | RCOR2                                    |
| Mammalian Cell Selection: | Neomycin                                 |
| Vector:                   | pCMV6-Entry (PS100001)                   |
| E. coli Selection:        | Kanamycin (25 ug/mL)                     |



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**ORF Nucleotide Sequence:**

>RC204963 ORF sequence  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGCCCTCAGTGATGGAGAAGCCGAGCGGGGCTCTGGATCCTGTCCCCTAGCCGGGCCAAGACGGTGC  
 CCAACGGCGGACAGCCCCACTCGGAGGATGACAGCAGCGAGGAGGAGCACTCGCACGACAGCATGATCCG  
 CGTTGGAACCAATTACCAGGCCGTAATTCGGAGTGCAAGCCTGAGAGCCCCGCACGCTACAGCAACAAG  
 GAGCTGAAGGGGATGCTGGTGTGGTCAACCAACTGTGTGTCAGATGCCAAGCTTGACAAGTACATTG  
 CGATGGCCAAGGAGAAGCATGGCTACAACATTGAGCAGGCGTGGGCATGCTTCTGTGGCATAAGCACGA  
 TGTGGAGAAGTCGCTGGCCGACCTGGCCAACCTCACCCATTCCCTGACGAGTGGACAGTAGAGGACAAG  
 GTGCTGTTTGAACAGGCCTTTGGCTTCCATGGCAAATGCTTCCAGCGGATCCAGCAGATGCTGCCTGACA  
 AGTTGATTCACAGCCTGGTGAATACTACTACTCTTGAAGAAGACCCCGAGCCGAACTAGTGTGATGGA  
 CAGACAGGCCCGCGGCTGGGGGGCCGCAAGGACAAGAAGACAGTGATGAGCTCGAAGAGGGTTCGAGGA  
 GCGGTGAGTGAGGAGAGCCCGATCCTGCAGATCCCAAGAGAGAGCCTCTACCCTCTCGGCCCTGAATG  
 CACGCCAAGGCCCTGGAAAAAGGAGGTCCAGGTGTCTCAGTACCGCCACCATCCCTTGGCAACCCGGCG  
 TCGCCACCCAAGGGCATGTACCTGAGCCCTGAGGGCCTCACGGCAGTGTGAGGAAGCCCGACCTTGCC  
 AACCTCACGCTCCGAGGTCTTACTCTCAGTCTATCTCCCTCAAGCGCCAGGTACAGAGCATGAAGCAGA  
 CGAACAGCAGCCTGCGCCAAGCCCTGGAGGGCGGTATTGATCCACTACGCCCCCGGAGGGCAACACCAA  
 GTTCAACTCCCGCTGGACCACAGATGAGCAGCTTTTGGCTGTTCAAGCCATCCGTAGGTATGGCAAAGAC  
 TTTGGGGCTATTGAGAGGTGATTGGGAACAAGACTCTGACCCAGGTGAAGACTTTCTTTGTGAGTACC  
 GGCGCCGCTTCAATCTGGAGGAGGTGCTGCAGGAATGGGAGGCTGAGCAGGATGGGGCCCTGGAGCCCC  
 AGTCCCCATGGAGGAGGCTAGGAGAGGGGCTCCATTGCCAGCCCCAGCCCTAGAGGAAGATGATGAGGTC  
 CAGATTACATCGGTCTCCACGTCCGTGCCCGATCAGTGCCCTGCGCCACCACCCCTCCACCTCCCA  
 CCTCGTGTCCCAGCCACCCCGCTGCTGAGGCCACCTTTGCCACGGCTCCCACTCTGCTCCGACAGCC  
 ACCCCCACTGCAGCAGGGCCGCTTCTCCAGCCCCGGTGGCCCCAACCAGCCCCACCCTCTCATC  
 CGCCCCGCTCTGGCTGCCCCCGCCACAGCGCCCGCCTGGCCCTCAGCCCCACCACCCTGATTGGAG  
 CCCCTCTGGAGCCCCAGCACCTCACT

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RC204963 protein sequence  
 Red=Cloning site Green=Tags(s)

MPSVMEKPSAGSGILSRRAKTVPNGGQPHSEDDSSSEESHSDSMIRVGTNYQAVIPECKPESPARYSNK  
 ELKGMVLWSPNHCVSDAKLDKYIAMAKEKHGYNIEQALGMLLWHKHDVEKSLADLANFTPFDEWTVEDK  
 VLFEQAFGFHGKCFQRIQQMLPDKLIPSLVKYIYYSWKKTRSRTSVMRQARRLGGRKDKEDSDELEEGRG  
 GVSEGEDPADPKREPLPSRPLNARPGPKKEVQVSQYRHHPLRTRRRPPKGMYSPEGLTAVSGSPDLA  
 NLTLRGLDSQLISLKRQVQSMKQTNSSLRQALEGGIDPLRPEANTKFNSRWTTDEQLLAVQAIRRYGKD  
 FGAIAEIVIGNKTLTQVKFFVSYRRRFNLEEVLQEWAEQDQAGAPVPMEEARRGAPLPAPALEEDDEV  
 QITSVSTSVPRSVPPAPPPPPPTSLSQPPLLRPPLPTAPTLRQPPLQQRFLQPRLLAPNQPPPLI  
 RPALAAPRHSARPGPQPPTLIGAPLEPPAPSL

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**


**ACCN:** NM\_173587

**ORF Size:** 1569 bp

**OTI Disclaimer:** 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 [custsupport@origene.com](mailto:custsupport@origene.com) or by calling 301.340.3188 option 3 for pricing and delivery.

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](#)

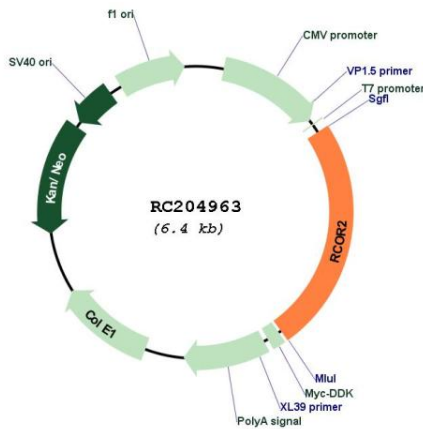
**OTI Annotation:** This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

**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\\_173587.2, NP\\_775858.1](#)  
**RefSeq Size:** 2621 bp  
**RefSeq ORF:** 1572 bp  
**Locus ID:** 283248  
**UniProt ID:** [Q8IZ40](#)  
**Cytogenetics:** 11q13.1  
**Protein Families:** Transcription Factors  
**MW:** 58 kDa  
**Gene Summary:** May act as a component of a corepressor complex that represses transcription. [UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for RC204963