

## Product datasheet for **RR206664**

### Calcr1 (NM\_012717) Rat Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Calcr1 (NM_012717) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Calcr1
Synonyms:	CLR; Cr1r; RATCRLR; RNCLR
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>RR206664 representing NM\_012717  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGATGGATAAAAAGGTACACTATGTTTTCTGTTTCTCTTGCTTCTTAATATGGCTCTCATCGCAGCAG  
 AGTCGGAAGAAGGCGCAACCAACAGACTTGGGAGTCACTAGGAACAAGATCATGACGGCTCAGTATGA  
 ATGTTACCAAAAGATCATGCAGGATCCCATTCAACAAGGAGAAGGCCTTTACTGCAACAGAACCTGGGAC  
 GGATGGCTATGCTGGAATGACGTTGCAGCAGGAACCGAGTCAATGCAGTACTGCCCTGATTACTTTCAAG  
 ATTTTGTACCTTCAGAGAAGGTTACAAAGATCTGTGACCAAGATGGAAACTGGTTCAGACATCCAGATAG  
 TAACAGGACATGGACAACTACACCTTGTGTAACAACAGCACGCATGAGAAAAGTGAAGACAGCACTGAAT  
 TTGTTCTACCTAACTATAATTGGACATGGATTATCTATTGCTCTCTGATCATCTCACTCATCATATTTT  
 TTTATTTCAAGAGCCTAAGTTGCCAACGGATTACATTGCATAAAAACCTGTTCTTTTCATTTGTTGTAA  
 TTCGATTGTGACAATCATTACCTCACGGCAGTGGCCAATAACCGAGCCTTAGTGCCACAAATCCTGTG  
 AGCTGCAAGGTGTCCAGTTCATTCATCTTACCTGATGGGCTGTAACACTTTTGGATGCTCTGTGAAG  
 GCATTTACCTGCACACACTCATTGTGGTGGCTGTGTTTGCAGAGAAGCAGCACTTGATGTGGTATTATTT  
 TCTTGGCTGGGGTTTCTCTGCTTCTGCCTGCATCCATGCCATCGCCAGAAGCTTGATTACAATGAC  
 AACTGCTGGATCAGCTCAGACACTCATCTCCTCTACATCATCCATGGTCCCATTTGTGCTGCTTTACTGG  
 TAAATCTCTTTTTCTATTAAATATTGTACGTGTTCTCATCACCAGTTGAAAGTTACACACCAAGCAGA  
 ATCCAATCTACATGAAAGCTGTAAGAGCCACTCTCATCTTGGTACCACTACTGGCATTGAATTTGTG  
 CTTTTTCCATGGCGCCTGAAGGAAAGGTTGCTGAGGAGGTGTATGACTATGTATGCACATTCTCATGC  
 ACTATCAGGGTCTTTTGGTGTCTACAATTTCTGCTTCTTAAACGGAGAGGTTCAAGCAATTCTGAGAAG  
 AAATTGGAACCAGTATAAAATCCAATTTGGCAATGGCTTTTCCCACTCTGATGCTCTCCGACGGCATCC  
 TATACGGTGTCAACAATCAGCGATGTGCAGGGGTACAGCCACGACTGCCCACTGAACACTTAAATGGAA  
 AAAGCATCCAGGATATTGAAAATGTTGCCTTAAACCAGAAAAATGTATGATCTAGTGATG

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RR206664 representing NM\_012717  
 Red=Cloning site Green=Tags(s)

MMDKKCTLCFLFLLLLNMLIAESEEKANQTDLGVTRNKIMTAQYECYQKIMQDPIQQEGLYCNRTWD  
 GWLCWNDVAAGTESMQYCPDYFQDFDPSEKVTKICDQDGNWFRHPDSNRTWTNYTLCNNSTHEKVTALN  
 LFYLTIIHGHLASLIISLIIFFYFKSLSCQRITLHKNLFFSFVCSIVTIIHLTAVANNQALVATNPV  
 SCKVYSQFIHLYLMGCNYFWMLCEGIYHLTLIVVAVFAEKQHLMWYFLLGWGFLLPACIHAIAIRSLYYND  
 NCWISSDTHLLYIIHGPICAALLVNLFFLLNIVRVLITKLKVTHQAESNLYMKAVRATLILVPLLGIIEFV  
 LFPWRPEGKVAEEVYDYVMHILMHYQGLLVSTIFCFNGEVQAILRRNWNQYKIQFNGFSDALRSAS  
 YTVSTISDVQGYSHDCPTEHLNGKSIQDIENVALKPEKMYDLVM

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:**

[https://cdn.origene.com/chromatograms/ja2578\\_e04.zip](https://cdn.origene.com/chromatograms/ja2578_e04.zip)

**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**


**ACCN:** NM\_012717

**ORF Size:** 1392 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](#)

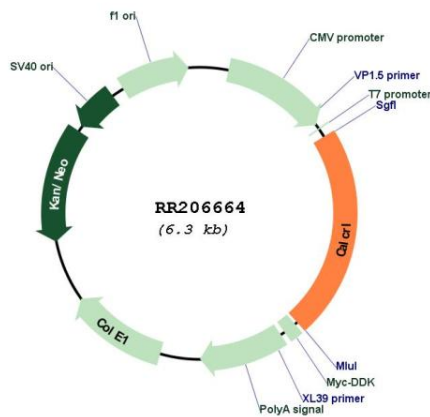
**OTI Annotation:** This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

**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\\_012717.1, NP\\_036849.1](#)  
**RefSeq Size:** 2095 bp  
**RefSeq ORF:** 1395 bp  
**Locus ID:** 25029  
**UniProt ID:** [Q63118](#)  
**Cytogenetics:** 3q24  
**MW:** 53.8 kDa  
**Gene Summary:** G-protein coupled receptor for either calcitonin gene-related peptide or adrenomedullin that may play a role in vascular tone [RGD, Feb 2006]

**Product images:**



Circular map for RR206664