

## Product datasheet for **RC232791**

### **CRLR (CALCRL) (NM\_001271751) Human Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	CRLR (CALCRL) (NM_001271751) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	CRLR
Synonyms:	CGRPR; CRLR; LMPHM8
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

**ORF Nucleotide Sequence:**

>RC232791 representing NM\_001271751  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGAGAAAAAGTGTACCTGTATTTCTGTTCTCTGCCTTTTTTTATGATTCTTGTACAGCAGAAT  
 TAGAAGAGAGTCTGAGGACTCAATTCAGTTGGAGTTACTAGAAATAAAATCATGACAGCTCAATATGA  
 ATGTTACCAAAAAGATTATGCAAGACCCATTCAACAAGCAGAAGGCGTTTACTGCAACAGAACCTGGGAT  
 GGATGGCTCTGCTGGAACGATGTTGCAGCAGGAAGTGAATCAATGCAGCTCTGCCCTGATTACTTTCAGG  
 ACTTTGATCCATCAGAAAAAGTTACAAAGATCTGTGACCAAGATGGAAACTGGTTTAGACATCCAGCAAG  
 CAACAGAACATGGACAAATTATACCCAGTGAATGTTAACACCCACGAGAAAGTGAAGACTGCACATAAT  
 TTGTTTTACCTGACCATAATTGGACACGGATTGTCTATTGCATCACTGCTTATCTCGCTTGGCATATTCT  
 TTTATTCAAGAGCCTAAGTTGCCAAAGGATTACCTTACAAAAATCTGTTCTTCTCATTGTGTTGTA  
 CTCTGTTGTAACAATCATTACCTCACTGCAGTGGCCAACAACAGGCCTTAGTAGCCACAAATCCTGTT  
 AGTTGCAAAGTGTCCAGTTCATTCATCTTTACCTGATGGGCTGTAATTAATTTTTGGATGCTCTGTGAAG  
 GCATTTACCTACACACTCATTGTGGTGGCCGTGTTGCAGAGAAGCAACATTAATGTGGTATTATTT  
 TCTTGGCTGGGGATTTCCACTGATTCTGCTTGTATACATGCCATTGCTAGAAGCTTATATTACAATGAC  
 AATTGCTGGATCAGTTCTGATACCCATCTCCTTACATTATCCATGGCCCAATTTGTGCTGCTTTACTGG  
 TGAATCTTTTTTCTTGTAAATATTGTACGCGTTCTCATCACCAGTAAAAGTTACACACCAAGCGGA  
 ATCCAATCTGTACATGAAAGCTGTGAGAGCTACTCTTATCTTGGTGCCATTGCTTGGCATTGAATTTGTG  
 CTGATTCATGGCGACCTGAAGGAAAGATTGCAGAGGAGGTATATGACTACATCATGCACATCCTTATGC  
 ACTTCCAGGGTCTTTTGGTCTCTACCATTTTCTGCTTTTAAATGGAGAGGTTCAAGCAATTCGAGAAG  
 AAAGTGAATCAATAAAAAATCCAATTTGGAAACAGCTTTTCCAACAGCAAGCTCTTCGTAGTGCCTCT  
 TACACAGTGTCAACAATCAGTGTGGTCCAGGTTATAGTCATGACTGTCCTAGTGAACACTTAAATGGAA  
 AAAGCATCCATGATATTGAAAATGTTCTCTTAAACCAGAAAATTTATATAAT

AG**CGGACCG**ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC  
 TGGATTACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RC232791 representing NM\_001271751  
 Red=Cloning site Green=Tags(s)

MEKKCTLYFLVLLPFFMILVTAEELEESPEDSIQLGVTRNKIMTAQYECYQKIMQDPIQQAEGVYCNRTWD  
 GWLCWNDVAAGTESMQLCPDYFQDFDPSEKVTKICDQDGNWFRHPASNRWTWNYTQCNVNTHEKVKTALN  
 LFYLTIIHGHLIASLLISLGIFFYFKSLSCQRITLHKNLFFSFCNSVVTIIHLTAVANNQALVATNPV  
 SCKVVSQFIHLYLMGCNYFWMLCEGIYLHTLIVVAVFAEKQHLMWYYFLGWGFPLIPACIHAIARSLYYND  
 NCWISSDTHLLYIIHGPICALLVNLFFLLNIVRVLITKLKVTHQAESNLYMKAVRATLILVPLLGIEFV  
 LIPWRPEGKIAEEVYDYIMHILMHFQGLLVSTIFCFFNGEVQAILRRNWNQYKIQFGNSFSNSEALRSAS  
 YTVSTISDGPYSHDCPSEHLNGKSIHDIENVLLKPENLYN

**SGP**TRTRPLE**QKLI**SEEDLAANDILDYKDDDDKV

**Restriction Sites:**

Sgfl-RsrII

**Cloning Scheme:**


**ACCN:** NM\_001271751

**ORF Size:** 1383 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](#)

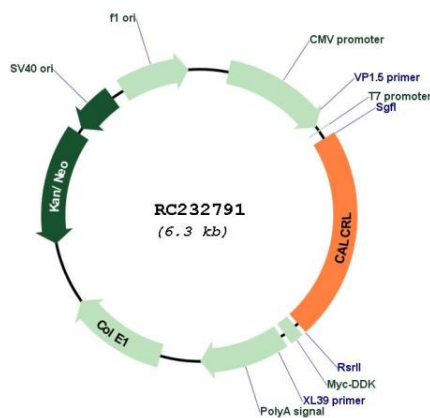
**OTI Annotation:** This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

**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:	<u>NM_001271751.2</u>
RefSeq Size:	5990 bp
RefSeq ORF:	1386 bp
Locus ID:	10203
UniProt ID:	<u>Q16602</u>
Cytogenetics:	2q32.1
Protein Families:	Druggable Genome, GPCR, Transmembrane
Protein Pathways:	Neuroactive ligand-receptor interaction, Vascular smooth muscle contraction
MW:	53.4 kDa
Gene Summary:	Receptor for calcitonin-gene-related peptide (CGRP) together with RAMP1 and receptor for adrenomedullin together with RAMP3 (By similarity). Receptor for adrenomedullin together with RAMP2. The activity of this receptor is mediated by G proteins which activate adenylyl cyclase.[UniProtKB/Swiss-Prot Function]

### Product images:



Circular map for RC232791