

## Product datasheet for RC233528

### Calcipressin 3 (RCAN3) (NM\_001251979) Human Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Calcipressin 3 (RCAN3) (NM\_001251979) Human Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** Calcipressin 3  
**Synonyms:** DSCR1L2; hRCN3; MCIP3; RCN3  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**ORF Nucleotide Sequence:** >RC233528 representing NM\_001251979.  
Blue=ORF Red=Cloning site Green=Tag(s)

```
GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGCTGAGGGACACTATGAAATCTTGGAAATGATAGCCAGTCAGATCTGTGTAGCACTGACCAAGAAGAG
GAAGAAGAGATGATTTTTGGTAAAAATGAAGATGATTTGGATGAGATGATGGATTTAAGTATCTGCCT
ACCTCACTTTTGTGCTGCAGCGTCCATGAAGCAGTGTGAGGCACGAGAGCAGAAGGAAAGATTTGAA
GCACTCTTCAACCTATGATGACCAGTTACTTTTCAGCTGTTAAAAGCTTTAGAAGAGTCAGAATA
AATTTTCAGCAAACCTGAAGCGGCAGCAAGAGCGGAATAGAATCCACGAAACAGACTTCAATGGGCAG
AAGCTAAAGCTATATTTTGCACAGGTGCAGATGTCCGGCGAAGTCCGGGACAAGTCTATCTCCTGCCA
CCCCAGCCTGTCAAGCAGTTCTCATCTCCCCTCCAGCCTCTCCCCAGTGGGGTGAAGCAGAGCGAA
GATGCGATGCCTGTTATAAATTATGATTTACTCTGTGCTGTTTCCAAATTGGGACCAGGAGAGAAATAT
GAACTTACGCGGGAACAGAGTCGACACCCAGCGTGGTGGTTCATGTCTGTGAAAGTGAAGTGAAGAG
GAAGAAGAGACAAAAACCCAAACAGAAAATTGCCAGACAAGGCGCCCGACCCTCCGACCGCAGCG
TTGAATGAGCCCCAGACCTTTGATTGCGCGCTG
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
```

**Protein Sequence:** >Peptide sequence encoded by RC233528  
Blue=ORF Red=Cloning site Green=Tag(s)

```
MLRDTMKSWNDSQSDLCSTDQEEEEEMIFGENEDDLDEMMDLSDLPTSLFACSVHEAVFEAREQKERFE
ALFTIYDDQVTFQLFKSFRVRVRFINFSKPEAAARARIELHETDFNGQKLLYFAQVQMSGEVRDKSYLLP
PQPVKQLISPPASPPVGWKQSEDAMPVINYDLLCAVSKLGPGEKYELHAGTESTPSVVVHVHCESETEE
EEETKNPKQKIAQTRRPDPPTAALNEPQTFDCAL
TRTRPLEQKLISEEDLAANDILDYKDDDDKV
```



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**Chromatograms:** [https://cdn.origene.com/chromatograms/mk6338\\_b12.zip](https://cdn.origene.com/chromatograms/mk6338_b12.zip)

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_001251979

**ORF Size:** 723 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 Size:** 2646 bp

**RefSeq ORF:** 726 bp

**Locus ID:** 11123

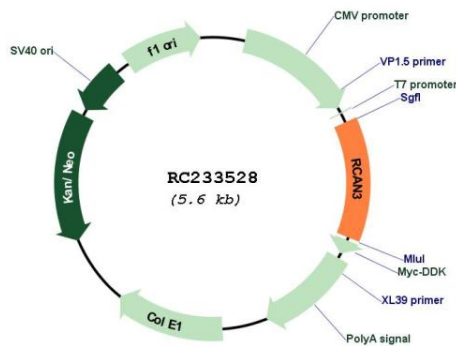
**UniProt ID:** [Q9UKA8](#)

Cytogenetics: 1p36.11

MW: 27.5 kDa

Gene Summary: Inhibits calcineurin-dependent transcriptional responses by binding to the catalytic domain of calcineurin A. Could play a role during central nervous system development (By similarity). [UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for RC233528