

Product datasheet for **RC233383**

Calcipressin 3 (RCAN3) (NM_001251981) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Calcipressin 3 (RCAN3) (NM_001251981) 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: >RC233383 representing NM_001251981
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGCTGAGGGACACTATGAAATCTTGAATGATAGCCAGTCAGATCTGTGTAGCACTGACCAAGAAGAGG
 AAGAAGAGATGATTTTTGGTAAAATGAAGATGATTTGGATGAGATGATGGATTTAAGTATCTGCCTAC
 CTCACCTTTTCTGTCAGCGTCCATGAAGCAGTGTGGAGGCACGAGAGCAGAAGGTGCAGATGTCCGGC
 GAAGTGCAGGACAAGTCTATCTCTGCCGCCAGCCTGTCAAGCAGTTCCTCATCTCCCTCCAGCCT
 CTCCTCCGGTGGGTGGAAGCAGAGCGAAGATGCGATGCCTGTTATAAATTATGATTTACTCTGTGCTGT
 TTCCAAATTGGGACCAGGAGAGAAAATATGAACTTACGCGGGAACAGAGTCGACACCCAGCGTGGTGGTT
 CATGTCTGTGAAAGTAAACTGAAGAGGAAGAAGAGACAAAAACCCCAAACAGAAAATTGCCAGACGA
 GGCGCCCCGACCCTCCGACCGCAGCGTTGAATGAGCCCCAGACCTTTGATTGCGCGCTG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC233383 representing NM_001251981
 Red=Cloning site Green=Tags(s)

MLRDTMKSWNDSQSDLCSTDQEEEEEMIFGENEDDLDEMMDLSDLPTSLFACSVHEAVFEAREQKVQMSG
 EVRDKSYLLPPQPVKQFLISPPASPPVGWKQSEDAMPVINYDLLCAVSKLGPGEKYELHAGTESTPSVVV
 HVCESETEEEEEETKNPKQKIAQTRRPDPPTAALNEPQTFDCAL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI



Cloning Scheme:


ACCN: NM_001251981

ORF Size: 549 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_001251981.1](#), [NP_001238910.1](#)

RefSeq Size: 2580 bp

RefSeq ORF: 552 bp

Locus ID: 11123

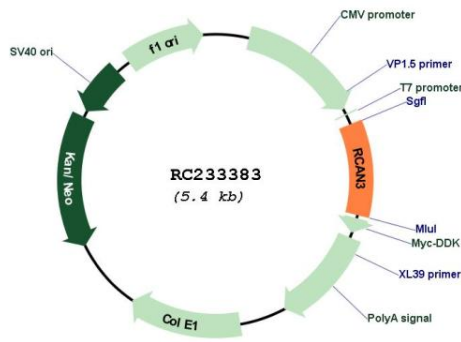
UniProt ID: [Q9UKA8](#)

Cytogenetics: 1p36.11

MW: 21 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 RC233383