

Product datasheet for **RC233526**

Calcipressin 3 (RCAN3) (NM_001251977) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Calcipressin 3 (RCAN3) (NM_001251977) 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:	>RC233526 representing NM_001251977 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCCGCC**CGATCGCC**

ATGCTGAGGGACACTATGAAATCTTGAATGATAGCCAGTCAGATCTGTGTAGCACTGACCAAGAAGAGG
AAGAAGAGATGATTTTTGGTGAAAATGAAGATGATTTGGATGAGATGATGGATTTAAGTGATCTGCCTAC
CTCACTTTTTGCTTGCAGCGTCCATGAAGCAGTGTGGAGGCACGAGAGCAGAAGGAAAGATTTGAAGCA
CTCTTCACCATCTATGATGACCAGGTTACTTTTCAGCTGTTTAAAAGCTTTAGAAGAGTCAGAATAAATT
TCAGCAAACCTGAAGCGGCAGCAAGAGCGCAATAGAACTCCACGAAACAGACTTCAATGGGCAGAAGCT
AAAGCTATATTTGCACAGGTGCAGATGTCCGGCGAAGTGGGGACAAGTCTATCTCCTGCCACCCAG
CCTGTCAAGCAGTTCCTCATCTCCCTCCAGCCTCTCCCCAGTGGGGTGAAGCAGAGCGAAGATGCGA
TGCTGTATAAATTATGATTTACTCTGTGCTGTTTCAAATGGGACCAGGAGAGAAAATATGAACTTCA
CGCGGGAACAGAGTCGACACCCAGCGTGGTGGTTCATGTCTGTGAAAGTGAAGTGAAGAGGAAGAAGAG
ACAAAAACCCCAACAGAAAATTGCCAGACAAGGCCGCCGACCCTCCGACCGCAGCGTTGAATGAGC
CCAGACCTTTGATTGCGCGCTG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC233526 representing NM_001251977
Red=Cloning site Green=Tags(s)

MLRDTMKSWNDSQSDLCSTDQEEEEEMIFGENEDDLDEMMDLSDLPTSLFACSVHEAVFEAREQKERFEA
 LFTIYDDQVTFQLFKSFRRVRINFSKPEAAARARIELHETDFNGQKLKLYFAQVQMSGEVRDKSYLLPPQ
 PVKQFLISPPASPPVGWKQSEDAMPVINYDLLCAVSKLGPGEKYLHAGTESTPSVVVHVCESETEEEEE
 TKNPKQKIAQTRRPDPPTAALNEPQTFDCAL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6338_b12.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_001251977

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: [NM_001251977.1](#), [NP_001238906.1](#)

RefSeq Size: 2754 bp

RefSeq ORF: 726 bp

Locus ID: 11123

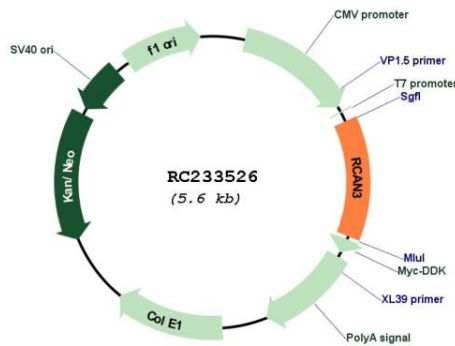
UniProt ID: [Q9UKA8](#)

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 RC233526