

## Product datasheet for **RG233527**

### Calcipressin 3 (RCAN3) (NM\_001251978) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Calcipressin 3 (RCAN3) (NM_001251978) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	RCAN3
Synonyms:	DSCR1L2; hRCN3; MCIP3; RCN3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG233527 representing NM_001251978 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGCTGAGGGACACTATGAAATCTTGAATGATAGCCAGTCAGATCTGTGTAGCACTGACCAAGAAGAGG  
AAGAAGAGATGATTTTTGGTGAAAATGAAGATGATTTGGATGAGATGATGGATTTAAGTGATCTGCCTAC  
CTCACTTTTTGCTTGACGCTCCATGAAGCAGTGTGGAGGCACGAGAGCAGAAGGAAAGATTTGAAGCA  
CTCTTCACCATCTATGATGACCAGTTACTTTTCAGCTGTTTAAAAGCTTTAGAAGAGTCAGAATAAATT  
TCAGCAAACCTGAAGCGGCAGCAAGAGCGCAATAGAACTCCACGAAACAGACTTCAATGGGCAGAAGCT  
AAAGCTATATTTGCACAGGTGCAGATGTCCGGCGAAGTGGGGACAAGTCTATCTCCTGCCGCCCCAG  
CCTGTCAAGCAGTTCCTCATCTCCCTCCAGCCTCTCCCGGTGGGGTGAAGCAGAGCGAAGATGCGA  
TGCTGTATAAATTATGATTTACTCTGTGCTGTTTCAAATGGGACCAGGAGAGAAATATGAACTTCA  
CGCGGGAACAGAGTCGACACCCAGCGTGGTGGTTCATGTCTGTGAAAGTGAAGGAGGAAAGAG  
ACAAAAACCCCAACAGAAAATTGCCAGACGAGGCCGCCGACCCTCCGACCGCAGCGTTGAATGAGC  
CCAGACCTTTGATTGCGCGCTG

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >RG233527 representing NM\_001251978  
Red=Cloning site Green=Tags(s)

MLRDTMKSWNDSQSDLCSTDQEEEEEMIFGENEDDLDEMMDLSDLPTSLFACSVHEAVFEAREQKERFEA  
 LFTIYDDQVTFQLFKSFRVRVIRINFSKPEAAARARIELHETDFNGQKLKLYFAQVQMSGEVRDKSYLLPPQ  
 PVKQFLISPPASPPVQKQSEDAMPVINYDLLCAVSKLGPGEKYLHAGTESTPSVVVHVCESETEEEEEE  
 TKNPKQKIAQTRRPDPPTAALNEPQTFDCAL

TRTRPLE - GFP Tag - V

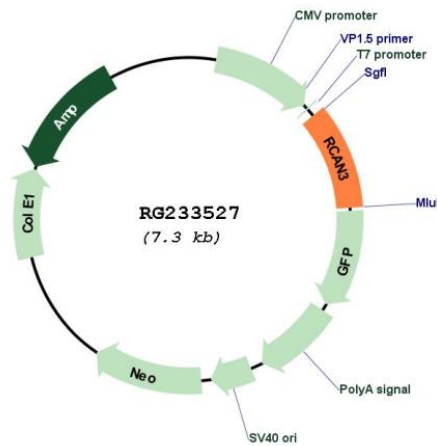
**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shutting:



**Plasmid Map:**



**ACCN:** NM\_001251978

**ORF Size:** 723 bp

<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_001251978.1</a> , <a href="#">NP_001238907.1</a>
<b>RefSeq Size:</b>	2668 bp
<b>RefSeq ORF:</b>	726 bp
<b>Locus ID:</b>	11123
<b>UniProt ID:</b>	<a href="#">Q9UKA8</a>
<b>Cytogenetics:</b>	1p36.11
<b>Gene Summary:</b>	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]