

## Product datasheet for **MG202938**

### **Rcan3 (NM\_022980) Mouse Tagged ORF Clone**

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Rcan3 (NM\_022980) Mouse Tagged ORF Clone  
**Tag:** TurboGFP  
**Symbol:** Rcan3  
**Synonyms:** AU041093; Csp3; Dscr1l2  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC-GFP (PS100010)  
**E. coli Selection:** Ampicillin (100 ug/mL)  
**ORF Nucleotide Sequence:** >MG202938 representing NM\_022980  
**Red=Cloning site Blue=ORF Green=Tags(s)**

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGCTCCGAGACAGCCTGAAATCTTGAATGACAGCCAGTCAGACCTCTGTAGCAGCGACCAGGAGGAGG  
AAGAGGAGATGGTCTTCGGTGAAAATGAGGACGGACTGGAAGAGATGATGGACCTAAGTGACCTGCCAC  
CTCACTCTTTGCTTGCAGTGTCCATGAAGCAGTGTTCGAGGTCCAAGAGCAAAGGAGAGGTTTGAGGCC  
CTGTTCCACCTCTACGATGACCAGGTCACATTCCAGTTGTTCAAGAGCTTTCGCAGAGTGAGGATCAACT  
TCAGCAAGCCCGAGGCTGCGGCAAGAGCGCGGATAGAGCTCCACGAGAGTGAGTTCCACGGACGGAAGCT  
GAAGCTTTACTTCGCACAGGTGCAGGTGTCCGGGAGGCCCGGGACAAGTCTACTTACTGCCACCCACAA  
CCCACCAAGCAGTTCTCATCTCCCTCCCGCCTCACCCCGTGGGGTGAAGCAGAGTGAAGATGCGA  
TGCCAGTGATCAACTATGACCTGCTCTGCGCTGTCTCAAGCTGGGCCAGGGGAGAAAATACGAAGTGA  
CGCGGGAACCGAGTCCACCCCAAGTGTGGTGGTGACGTCTGTGAGAGCGAAACTGAAGAGGAAGAAGAC  
ACAAAAATCCAAAACAGAAAATCACGCAGACGCGGCCCGGAGGCTCCACGGCGGCACTGAGTGAGC  
GGCTGGACTGTGCACTC

**ACGCGTACGCGGCCGCTCGAG** - GFP Tag - GTTTAA



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**Protein Sequence:** >MG202938 representing NM\_022980  
 Red=Cloning site Green=Tags(s)

MLRDSLKSWNDSQSDLCSSDQEEEEEMVFGENEDGLEEMMDLSDLPTSLFACSVHEAVFEVQEQKERFEA  
 LFTLYDDQVTFQLFKSFRRVRINFSKPEAAARARIELHESEFHGRKLLKLYFAQVQVSGEARDKSYLLPPQ  
 PTKQFLISPPASPPVQKQSEDAMPVINYDLLCAVSKLGPGEKYLHAGTESTPSVVVHVCESETEEEED  
 TKNPKQKITQTRRPEAPTAALSERLDCAL

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shutting:



**ACCN:** NM\_022980

**ORF Size:** 717 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\\_022980.4](#), [NP\\_075356.1](#)

**RefSeq Size:** 5062 bp

**RefSeq ORF:** 720 bp

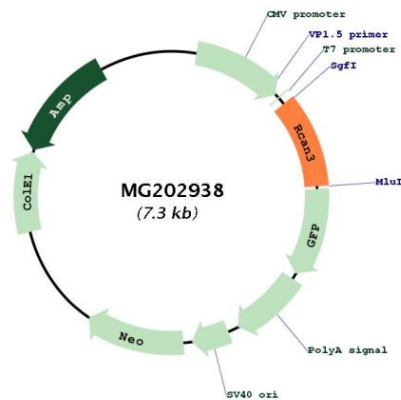
**Locus ID:** 53902

**UniProt ID:** [Q9JKK0](#)

**Cytogenetics:** 4 67.59 cM

**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 MG202938