

Product datasheet for MR202938

Rcan3 (NM_022980) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Rcan3 (NM_022980) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Rcan3
Synonyms: AU041093; Csp3; Dscr112
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR202938 representing NM_022980
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGCTCCGAGACAGCCTGAAATCTTGAATGACAGCCAGTCAGACCTCTGTAGCAGCGACCAGGAGGAGG
 AAGAGGAGATGGTCTTCGGTGAAAATGAGGACGGACTGGAAGAGATGATGGACCTAAGTGACCTGCCAC
 CTCACTCTTTGCTTGCAGTGTCCATGAAGCAGTGTTCAGGTCCAAGAGCAAAGGAGAGGTTTGAGGCC
 CTGTTCCACCTCTACGATGACCAGGTCACATTCCAGTTGTTCAAGAGCTTTCGAGAGTGAGGATCAACT
 TCAGCAAGCCCGAGGCTGCGGCAAGAGCGCGGATAGAGCTCCACGAGAGTGAGTCCACGGACGGAAGCT
 GAAGCTTTACTTCGCACAGGTGCAGGTGTCCGGGAGGCCCGGGACAAGTCTACTTACTGCCACCACAA
 CCCACCAAGCAGTTCTCATCTCCCTCCCGCCTCACCCCGTGGGGTGAAGCAGAGTGAAGATGCGA
 TGCCAGTGATCAACTATGACCTGCTCTGCGCTGTCTCAAGCTGGGCCAGGGGAGAAAATACGAAGTGA
 CGCGGGAACCGAGTCCACCCCAAGTGTGGTGGTGACGTCTGTGAGAGCGAAACTGAAGAGGAAGAAGAC
 ACAAAAAATCCAAAACAGAAAATCACGCAGACGCGGCCCGGAGGCTCCACGGCGGCACTGAGTGAGC
 GGCTGGACTGTGCACTC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Chromatograms: https://cdn.origene.com/chromatograms/mm9076_g05.zip

Restriction Sites: Sgfl-MluI



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Cloning Scheme:



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](#)

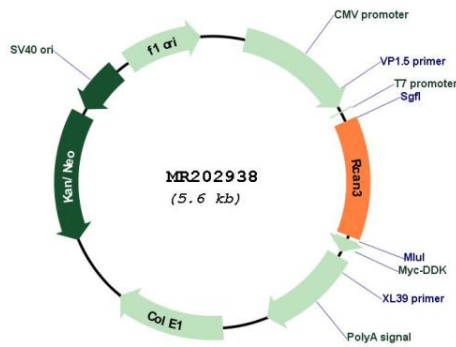
RefSeq Size: 5062 bp

RefSeq ORF: 720 bp

Locus ID: 53902

UniProt ID: [Q9JKK0](#)
 Cytogenetics: 4 67.59 cM
 MW: 27.6 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 MR202938