

Product datasheet for **MC226225**

Rcan2 (NM_001286654) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Rcan2 (NM_001286654) Mouse Untagged Clone
Tag: Tag Free
Symbol: Rcan2
Synonyms: Csp2; Dscr111; MCIP2; ZAKI-4
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC226225 representing NM_001286654
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGCCAGCCCCTAGCATGGACTGTGATGTTCCACTCTGGTCGCCTGTGTGGTGGATGTGGAGGTCTTTA
CCAATCAGGAGGTTAAGGAAAAATTCGAGGGACTGTTCCGGACCTATGATGAATGTGTGACGTTCCAGCT
GTTTAAGAGTTTCCGACGGTTCGAATAAATTTACGCCATCCAAATCTGCAGCCCGTGCCCGGATAGAG
CTTCATGAGACTCAGTTCAGAGGGAAGAAGCTAAACTCTACTTCGCCAGGTCCAGACCCAGAGACAG
ATGGAGACAAACTGCATTTGGCACCTCCACAGCCTGCCAAACAGTTCCTCATCTCACCCCTTCATCTCC
TCCTGTTGGCTGGAAGCCTATCAGCGATGCCACACCAAGTCCCAACTATGACCTTCTTTATGCTGTGGCC
AAACTAGGACCAGGAGAGAAATATGAGCTGCACGCTGGAAGTCTACACCGAGCGTCGTGGTGCATG
TGTGTGACAGCGACATGGAGGAGGAGGAGGCCAAAGACTTCCCAAAGCCAAAATCATCCAGACCCG
GCGTCCCGCCTGCCACCCTCCGTGTCCAAC**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001286654
Insert Size: 594 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).



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OTI Annotation:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
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:	<ol style="list-style-type: none">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_001286654.1 , NP_001273583.1
RefSeq Size:	3107 bp
RefSeq ORF:	594 bp
Locus ID:	53901
UniProt ID:	Q9JHG2
Cytogenetics:	17 19.77 cM
Gene Summary:	<p>Inhibits calcineurin-dependent transcriptional responses by binding to the catalytic domain of calcineurin A. Could play a role during central nervous system development. [UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (4) differs in the 5' UTR and 5' coding region, compared to variant 1. The resultign isoform (2) has a shorter and distinct N-terminus, compared to isoform 1. Variants 2 and 4 encode the same isoform 2. Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments.</p>