

Product datasheet for MC209742

Rcn2 (NM_011992) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Rcn2 (NM_011992) Mouse Untagged Clone
Tag: Tag Free
Symbol: Rcn2
Synonyms: AA408742; Tcbp49
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC209742 representing NM_011992
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCGGCTGGGCCAAGGCCCGCGGCTAGGACTGCTGCTGCCGCTGCTGTACGCCGGTGGCTG
 GCGCCAGCAAGGCGGAGGAAGTCACTACCCGAGGGCGAGCACCGGGCGGACTACGACCCGAAGCGCT
 GCTGGGTGTCAGGAAGACGTCGATGAGTATGTTAACTTGGCCACGAAGAGCAGCAAAGACGATTGCAG
 TCGATCATAAAGAAAATTGACTCGGACTCTGATGGCTTTCTTACTGAAAAATGAACTCAGTCAGTGGATTC
 AGATGTCTTTAAGCATTACGCTATGCAAGAAGCCAAGCAGCAGTTTGTGGAGTATGATAAAGACAGCGA
 CGGCGCTGTGACGTGGGATGAGTACAACATCCAGATGTACGACCGGGTGATTGACTTTGATGAGAACACT
 GCTCTGGATGACACAGAAGGGGTCGTTCAAGGATCACTAAAGGATAAGAAGCGATTTGAAAAAG
 CTAACCAGGATTCAGGTCCTGGTCTGAGTCTTGAAGAGTTCATTGCGTTTGAACCCGAAAGGATTGA
 CTATATGACGGAGTTCGTCATCCAAGAGGCTTTGGAAGAATGACAAAAATGGCGATGGGTTTGTAGT
 TTGGAAGAATTTCTGGCGATTACAGGCGGATCCAAGTCAAAATGAAGACCCAGAATGGATACTGTTG
 AAAAGGACAGATTTGTGAATGATTATGACAAAGATAATGATGGCCGGCTTGATCCCAAGAGCTGTTGTC
 ATGGGTAGTGCCCAATAACCAGGCATTGCACAAGAGGAAGCTTTCATCTGATTGATGAGATGGATTGG
 AATAGTGACAAAAAGCTCTCTGAAGAAGAGATTCTGAAAAACCAAGACTTGTTCCTTACCAGCGAAGCCA
 CGGATTATGGCCGACAGCTCCATGACGACTACTTCTATCATGACGAGCTT**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_011992
Insert Size: 963 bp



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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).
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_011992.2 , NP_036122.2
RefSeq Size:	2042 bp
RefSeq ORF:	963 bp
Locus ID:	26611
UniProt ID:	Q8BP92
Cytogenetics:	9 B
Gene Summary:	<p>Not known. Binds calcium (By similarity).[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1). CCDS Note: This CCDS representation uses a downstream start codon that is well-conserved in mammalian organisms. It also contains an upstream in-frame start codon that would result in a 35 aa N-terminal extension. However, this upstream start codon is only present in mouse and rat, and its use would eliminate an N-terminal signal peptide that is only predicted in the shorter N-terminus. N-terminal sequencing of the rat protein in PMID:7722520 indicates signal peptide cleavage. It is likely that the upstream start codon is skipped due to leaky scanning by ribosomes, thereby permitting translation initiation at the currently represented start codon.</p>