

Product datasheet for **SC333131**

RCN2 (NM_001271837) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: RCN2 (NM_001271837) Human Untagged Clone
Tag: Tag Free
Symbol: RCN2
Synonyms: E6BP; ERC-55; ERC55; TCBP49
Vector: pCMV6-Entry (PS100001)
Fully Sequenced ORF: >SC333131 representing NM_001271837.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

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ATGCGGCTGGGCCGAGGACCGCGCGTTGGGGCTGCTGCTGCTGTGCGCCGCCGCGCCGGCGCCGGC
AAGGCCGAGGAGCTGCACTACCCGCTGGGCGAGCGCCGACGACTACGACCGCGAGGCGCTGCTGGGC
GTCCAGGAAGATGTGGATGAATATGTTAACTCGGCCACGAAGAGCAGCAAAAAAGACTGCAGGCGATC
ATAAAGAAAATCGACTTGGACTCAGATGGCTTTCTCACTGAAAGTGAAGTCACTGATGATGATGATGAT
TCTTTTAAAGCATTATGCTATGCAAGAAGCAAAACAACAGTTTGTGAATATGATAAAAACAGTGATGAT
ACTGTGACTTGGGATGAATATAACATTCAGATGTATGATCGTGTGATTGACTTTGATGAGAACACTGCT
CTGGATGATGCAGAAGAGGAGTCCTTTAGGAAGGAATTTGCCATTTGTAAAAACAGTCTTTCTGTTTT
TGGCTTCTTCGATTTAATCTTCACTTAAAGGACAAGAAGCGATTTGAAAAAGCTAACAGGATTCAGGT
CCCGGTTTGAGTCTTGAAGAATTTATTGCTTTTGAGCATCCTGAAGAAGTTGATTATATGACGGAATTT
GTCATTCAGAAGCTTTAGAAGAATGACAAAAATGGTGATGGATTTGTTAGTTTGAAGAATTTCTT
GGTGATTACAGGTGGGATCCAATGCAATGAAGATCCAGAATGGATACTTGTGAGAAAGACAGATTC
GTGAATGATTATGACAAAGATAACGATGGCAGGCTTGCATTAATTGATGAAATGGATTTGAATGGTGACAAA
AAGCTCTCTGAAGAAGAGATTCTGAAAACCCGGACTTGTTCACCCAGTGAAGCCACAGATTATGGC
AGACAGCTCCATGATGACTATTTCTATCATGATGAGCTTAA
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Restriction Sites: Sgfl-Mlul
ACCN: NM_001271837
Insert Size: 1008 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).
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).



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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_001271837.1](#)

RefSeq Size: 2267 bp

RefSeq ORF: 1008 bp

Locus ID: 5955

UniProt ID: [Q14257](#)

Cytogenetics: 15q24.3

MW: 39.1 kDa

Gene Summary: The protein encoded by this gene is a calcium-binding protein located in the lumen of the ER. The protein contains six conserved regions with similarity to a high affinity Ca(+2)-binding motif, the EF-hand. This gene maps to the same region as type 4 Bardet-Biedl syndrome, suggesting a possible causative role for this gene in the disorder. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Nov 2012]

Transcript Variant: This variant (2) has an additional in-frame exon in the coding region, compared to variant 1. The resulting isoform (b) is longer than isoform a. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.