OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for SC320668

RCN2 (NM_002902) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RCN2 (NM_002902) Human Untagged Clone
Tag:	Tag Free
Symbol:	RCN2
Synonyms:	E6BP; ERC-55; ERC55; TCBP49
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene sequence for NM_002902.1 GGCCCGGGCCCCCGCCAGCCTCCCTCCTCGCGTCCCTCGGTGTCCTCCGCGGGCCGGCGC GATGCGGCTGGGCCCGAGGACCGCGGCGTTGGGGCTGCTGCTGCTGTGCGCCGCCGCGGC CGGCGCCGGCAAGGCCGAGGAGCTGCACTACCCGCTGGGCGAGCGCCGCAGCGACTACGA CCGCGAGGCGCTGCTGGGCGTCCAGGAAGATGTGGATGAATATGTTAAACTCGGCCACGA AGAGCAGCAAAAAAGACTGCAGGCGATCATAAAGAAAATCGACTTGGACTCAGATGGCTT TCTCACTGAAAGTGAACTCAGTTCATGGATTCAGATGTCTTTTAAGCATTATGCTATGCA AGAAGCAAAACAACAGTTTGTTGAATATGATAAAAACAGTGATGATACTGTGACTTGGGA TGAATATAACATTCAGATGTATGATCGTGTGATTGACTTTGATGAGAACACTGCTCTGGA TGATGCAGAAGAGGAGTCCTTTAGGAAGCTTCACTTAAAGGACAAGAAGCGATTTGAAAA AGCTAACCAGGATTCAGGTCCCGGTTTGAGTCTTGAAGAATTTATTGCTTTTGAGCATCC TGAAGAAGTTGATTATATGACGGAATTTGTCATTCAAGAAGCTTTAGAAGAACATGACAA AAATGGTGATGGATTTGTTAGTTTGGAAGAATTTCTTGGTGATTACAGGTGGGATCCAAC TGCAAATGAAGATCCAGAATGGATACTTGTTGAGAAAGACAGATTCGTGAATGATTATGA CAAAGATAACGATGGCAGGCTTGATCCCCAAGAGCTGTTACCTTGGGTAGTACCTAATAA TCAGGGCATTGCACAAGAGGAGGCACTTCATCTAATTGATGAAATGGATTTGAATGGTGA CAAAAAGCTCTCTGAAGAAGAGATTCTGGAAAACCCGGACTTGTTTCTCACCAGTGAAGC CACAGATTATGGCAGACAGCTCCATGATGACTATTTCTATCATGATGAGCTTTAATCTCC GAGCCTGTCTCAGTAGAGTACTGGCTCCTTTTATAATTTGTTACCAGCTTTACTTTTGTG ATAAAATATTGATGTTGTATTTTACACTCTTAAGTCTTAACCACAGTCAGAATTATCTTA ATGTAGATTATAATTTTGGTCTTTTAGGAAAAAAAAAAAAAAAAAA
Restriction Sites:	Please inquire
ACCN:	NM_002902

View online »

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).
OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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_002902.1, NP_002893.1
RefSeq Size:	1700 bp
RefSeq ORF:	954 bp
Locus ID:	5955
UniProt ID:	Q14257
Cytogenetics:	15q24.3
Domains:	EFh
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 (1) is a predominant transcript and encodes isoform a. Sequence Note: This RefSeq record was created from transcript and genomic sequence data because no single transcript was available for the full length of the gene. The extent of this transcript is supported by transcript alignments.