

## Product datasheet for **SC335009**

### RCBTB2 (NM\_001286832) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	RCBTB2 (NM_001286832) Human Untagged Clone
Tag:	Tag Free
Symbol:	RCBTB2
Synonyms:	CHC1L; RLG
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_001286832, the custom clone sequence may differ by one or more nucleotides

ATGTCTGGGGTTACAACGGAAACGGGCAGCTTGGACTCGGCAACAGTGGCAACCAGCCAACCCCTTGCAG  
 AGTGGCAGCTTTGCAAGGCATCCGTGTCCAGAGGGATTATCGAGATTGCAGCCTGTCACTCCACACACAC  
 GTCTGCGGCCAAGACGCAGGGTGGGCACGTGTACATGTGGGGCCAGTGCCGGGGTCAGTCCGTGATCCTC  
 CCGCACCTCACCACTTCTCCTGCACTGACGACGTGTTTGCTGCTTTGCCACGCCCGCGTCACGTGGC  
 GCCTCCTCTCCGTGGAACCTGATGACCACCTCACAGTGGCTGAGTCACTGAAGAGGGAATTTGACAACCC  
 GGACACTGCAGACCTGAAGTTTCTAGTTGATGGAAGTACATTTATGCACATAAAGTCCTTCTCAAGATT  
 CGATGTGAGCATTTTCGTTCTGTCATTGGAAGATAACGAGGATGATATTGTAGAAATGAGTGAATTTTCAT  
 ATCCTGTTTACCGGGCCTTCTGGAATACCTATACACAGACAGCATCAGCCTTTCTCCTGAGGAGGCAGT  
 AGGACTGCTAGACTTGGCTACATTTTATAGAGAAAATCGTTTGAAAAAGCTCTGCCAACAACTATCAAG  
 CAAGGCATCTGCGAGGAGAATGCCATCGCTCTGCTCTCGGCTGCGGTGAAGTATGATGCACAGGATTTAG  
 AAGAATTCTGCTTCAGGTTTTGCATAAACCATCTGACTGTAGTAACACAAACATCAGGTTTTGCAGAAAT  
 GGACCATGATCTCCTGAAGAACTTTATCAGCAAAGCAAGCAGAGTTGGAGCCTTTAAAAAT**TGA**

Restriction Sites:	SgfI-MluI
ACCN:	NM_001286832
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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<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
<b>RefSeq:</b>	<u>NM_001286832.1, NP_001273761.1</u>
<b>RefSeq Size:</b>	2658 bp
<b>RefSeq ORF:</b>	834 bp
<b>Locus ID:</b>	1102
<b>UniProt ID:</b>	<u>O95199</u>
<b>Cytogenetics:</b>	13q14.2
<b>Gene Summary:</b>	<p>This gene encodes a protein containing two C-terminal BTB/POZ domains that is related to regulator of chromosome condensation (RCC). The encoded protein may act as a guanine nucleotide exchange factor. This gene is observed to be lost or underexpressed in prostate cancers. There is a pseudogene of this gene on chromosome 10. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Nov 2013]</p> <p>Transcript Variant: This variant (4) differs in the 5' UTR, contains multiple differences in the 5' coding region, and initiates translation at an alternate downstream start codon, compared to variant 1. The encoded isoform (4) has a distinct N-terminus and is shorter than isoform 1. Variants 4, 8, and 9 all encode the same isoform (4).</p>