

## Product datasheet for **SC302072**

### RCCD1 (NM\_001017919) Human Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** RCCD1 (NM\_001017919) Human Untagged Clone  
**Tag:** Tag Free  
**Symbol:** RCCD1  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Fully Sequenced ORF:** >SC302072 representing NM\_001017919.  
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

```
GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGCGGAGGAGCGGCCGGGGCCCTGGTTCCGGTTCGGTTTCTCGGGCTTCGGGCAGGAGCTGGGCTCC
GGACGCGGGCGCCAGGTGCACAGCCCCAGTCCGCTGCGGGCGGGCGTCGACATCTGCCGCGTGAGCGCG
AGCTGGAGCTACACCGCTTTCGTGACCCGTGGAGGCCGCTTGAGCTGTCGGGCTCAGCCAGCGGGCGG
GCGGGCCGCTGCAAGGACCGGTGGGCCCTCGGAGGGCTCCTCGCGGTGCTGCGCGCCGGGCCGGGGCCG
GAGGCGTTACTGCAGTCTGGCGGCCGAATCGGCGCTGCGTGGGAGCCATTGTGGGCCAGAATGTG
GTGCCCGAGGCCGAAGGGGAAGACGATCCGGCCGGTGGAGCCAGCTACCCCTGCTGCC
TGCGCCCGTGCCTACGTGAGCCCGGGCGCCCTTCTACCGCCCTGCGCTCCGGAGCTGCGGGCACGC
CAGCTGGAGCTGGGCGCCGAGCACGCGTTGCTGCTGGACGCTGCTGGCCAGGTGTTCTCCTGGGGCGGG
GGCAGGCATGGACAGCTGGGCCATGGGACCCTGGAGGCAGAGCTGGAGCCACGGCTGTTGGAGGCGTTG
CAGGGCCTAGTCATGGCTGAGGTGGCCGCGGGGGCTGGCATTCTGTGTGTGTGAGTGGAGTGGGGAT
ATTTATATCTGGGGCTGGAATGAATCAGGGCAGCTGGCCCTGCCACCAGGAACCTGGCAGAGGATGGA
GAGACTGTCGCAAGGGAAGCCACAGAATGAATGAAGATGGTTCTCAGGTGAAGAGAACGGGTGGGGCT
GAGGATGGAGCCCTGCCCTTCATAGCTGTCCAGCCCTCCCGCATTACTGGATCTCCCATGGGC
TCAGATGCAGTCAAGGCCAGCTGTGGATCCCGGCACACAGCTGTGGTGACACGAACAGGGGAGCTCTAC
ACCTGGGGCTGGGTAATATGGACAGCTGGGCCACGAGGACACCACCAGCTTGGATCGGCCTCGCCGT
GTGGAATACTTTGTAGATAAGCAACTCCAAGTAAAGGCTGTACCTGTGGCCGTGGAACACCTACGTG
TATGCTGTGGAGAAAGGGAAGAGCTGA
AGCGGACCGACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGAT
ATCCTGGATTACAAGGATGACGACGATAAGGTTTAA
```

**Restriction Sites:** SgfI-RsrII  
**ACCN:** NM\_001017919



<b>Insert Size:</b>	1131 bp
<b>OTI Disclaimer:</b>	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).
<b>OTI Annotation:</b>	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.
<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>	<a href="#">NM_001017919.1</a>
<b>RefSeq Size:</b>	2690 bp
<b>RefSeq ORF:</b>	1131 bp
<b>Locus ID:</b>	91433
<b>UniProt ID:</b>	<a href="#">A6NED2</a>
<b>Cytogenetics:</b>	15q26.1
<b>MW:</b>	40.1 kDa
<b>Gene Summary:</b>	<p>Plays a role in transcriptional repression of satellite repeats, possibly by regulating H3K36 methylation levels in centromeric regions together with KDM8 (PubMed:24981860). Possibly together with KDM8, is involved in proper mitotic spindle organization and chromosome segregation (PubMed:24981860). Plays a role in regulating alpha-tubulin deacetylation and cytoskeletal microtubule stability, thereby promoting cell migration and TGF-beta-induced epithelial to mesenchymal transition (EMT), potentially through the inhibition of KDM8 (PubMed:28455245).[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (2) differs in the 5' UTR compared to variant 1. Variants 1 and 2 both encode the same protein.</p>