

Product datasheet for **SC325157**

RCC2 (NM_001136204) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: RCC2 (NM_001136204) Human Untagged Clone
Tag: Tag Free
Symbol: RCC2
Synonyms: TD-60
Vector: pCMV6 series

Fully Sequenced ORF: >NCBI ORF sequence for NM_001136204, the custom clone sequence may differ by one or more nucleotides

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ATGCCCAAGGAAGAAGGCGCGGGCGGGCTGGGAGGAGCCGAGCTCGGGCAACGGCACT
GCCCGCGCCGGGCCAGGAAACGCGGGCGCCGGCGGGCAGGAAGCGGAGCGGCCCGAG
CGCTGCAGTAGCAGCAGCGGGCGGCAGCAGCGGCGACGAGGACGGCCTGGAGCTCGAC
GGGGCCCCCGGGGGGCAAGCGCGGGCGGGCGGGCGGCACAGGCAAGGCGGGCGGC
GCGGCCGTGGTCATCACGAACCCGAGCACACCAAGGAGCGCGTCAAACCTGAAGGGTCA
AAGTGCAAAGGGCAGCTTTTGTATTTTGGGGCAACCAACTGGGACTTGATTGGTCGAAAA
GAAGTGCCTAAACAGCAAGCTGTACCGCAATCTCGGTGAGAATTTGTGGGGGGCCAC
AGATATGGGTGCCTGGCGGGGTCCGGGTGCGGACAGTGGTCTCGGGCTCGTGTGCTGCA
CACAGCCTCCTCATCACACGGAAGGGAAGCTGTGGAGCTGGGGTCGAAATGAGAAGGGG
CAGCTGGGACATGGTGACACCAAGAGAGTAGAAGCCCCTAGACTCATCGAGGGTCTTAGC
CACGAAGTGATTGTGTGTCAGCATGTGGGCGGAACCACCTTTGGCCTTGACGGAAACG
GGCTCCGTGTTTGCCTTTGGGGAAAACAAGATGGGGCAGCTGGGCCTTGGAACAGACA
GACGCTGTTCCAGCCCCGCGCAGATAATGTACAACGGCCAGCCAATTACCAAAATGGCC
TGTGGGGCTGAATTCAGTATGATAATGGACTGCAAAGGAAACCTTATTCCTTTGGGTG
CCTGAATATGGTCAGCTGGGACACAACACTCAGATGGGAAGTTCATCGCCCGGGCACAGCG
ATAGAGTACGACTGTGAACTAGTTCGCCGCGAGTGGCCATCTTCATTGAGAAGACGAAA
GATGGACAGATTCTGCCTGTACCAACGTGGTTGTACGAGACGTGGCCTGTGGCGTAAC
CACACGCTGGTCTGGACTCCCAGAAGCGAGTCTTCTCCTGGGGCTTTGGTGGCTATGGC
CGGCTGGGCCACGCAGAGCAGAAGGATGAGATGGTCCCCCGCCTGGTGAAGCTGTTTGAC
TTCCCTGGGCGTGGGGCTTCCAGATCTATGCTGGTTACACCTGCTCCTTTGCTGTCAGT
GAAGTGGGTGGTCTGTTTTCTGGGGGGCCACCAACACCTCCCGTGAATCTACCATGTAC
CCAAAAGCAGTGCAGGACCTCTGCGGCTGGAGAATCCGGAGCCTGGCTTGTGGGAAGAGC
AGCATCATTTGGCCCGCGATGAGAGCACCATCAGCTGGGGTCCGTCACCGACCTTTGGG
GAACTGGGCTACGGGGACCACAAGCCAAAGTCTTCCACTGCAGCCAGGAGGTAAAGACT
CTGGATGGCATTCTCAGAGCAGGTCGCCATGGGCTACTCACACTCCTTGGTGATAGCA
AGAGATGAAAGTGAGACTGAGAAAGAGAAGATCAAGAAACTGCCAGAATACAACCCCGA
ACCCTC
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Restriction Sites: Please inquire



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ACCN:	NM_001136204
Insert Size:	3970 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).
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:	<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:	<u>NM_001136204.1</u> , <u>NP_001129676.1</u>
RefSeq Size:	3970 bp
RefSeq ORF:	1569 bp
Locus ID:	55920
UniProt ID:	<u>Q9P258</u>
Cytogenetics:	1p36.13
Gene Summary:	<p>The protein encoded by this gene is a guanine exchange factor that is active on RalA, a small GTPase. The encoded protein and RalA are both essential for proper kinetochore-microtubule function in early mitosis. This protein has been shown to be a biomarker for colorectal cancer. [provided by RefSeq, Oct 2016]</p> <p>Transcript Variant: This variant (2) differs in the 5' UTR compared to variant 1. Both variants 1 and 2 encode the same protein.</p>