

Product datasheet for SC212347

RCC1 (NM_001048194) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	RCC1 (NM_001048194) Human 3' UTR Clone
Symbol:	RCC1
Synonyms:	CHC1; RCC1-I; SNHG3-RCC1
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_001048194
Insert Size:	1012 bp
Insert Sequence:	>SC212347 3'UTR clone of NM_001048194 The sequence shown below is from the reference sequence of NM_001048194. The complete sequence of this clone may contain minor differences, such as SNPs. Blue=Stop Codon Red=Cloning site

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GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAGGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAACGATCGCC
TTATTAGTCAAGGACAAAGAACAGAGCTGATGAAGCCTCTGAGGGCCTGGCTTCTGTCTGCACAACCT
CCCTCACAGAACAGGGAAGCAGTGACAGCTGCAGATGGCAGCGGGCCTCTCCCCAGCCCTGAGCACTGT
GTCAGTTCCTGCCTTTTCTCATCAGCAGAACAGAATCCTTTTCTCTTTTCTTCTCTCTTTGGAAT
TTTCTGGGACCTACAGAATAAAGGGGGGATGGACAGGGGGTTTCAAAGGAACATGGCTCACTCAG
AGCTATATGGTTAGACGTTTCTCCCTTTTCCCTACCTTCCATGGTCTGGTTGGCCCTGGCTTTGCCT
ACTAGAAAACCAAACCTTCCCCCTGGGGTTTGTGCCCACTCTCTGAGAAGTTGGGGCTCCATCAAGC
CCCATTCTAGTCATGTGCCCCCTTCTGTCCCTAACAGTCCACAGGCAAAACAAATGGTACAGTCATAAG
AGCCATCTGTACGGACCCACGCCAGAGGAACGTGCAGAAAAAGCAGAGCTACATGGCTGTGGGCAA
CTATAAGCCAAATATTTGGCTCAGAACAGGTGTCCATGGGACAAAAAGAACGATCCTCCACTTGACCA
AGAAAAAGTGATTCTCCAGAACACAAAGCATACTCTTGCCCTCAGGTGTTGCTTGTGTACATCGT
ACCCATCCATTTCGGCTTACCTGCAGCAACGGCCTGGAATCGCAAAGAGACACCACTCTGGGAGAGC
AGAGCAGGGTATGGGGTGGGAGAGAGGGTGGAGGGTTTATAACAACTTAACAGCAATATTGAAAG
GAGGTGGGGGATTGAGGGAGGGACAGAGTGTGGAGGGCCAGAGACTAGTCTGAGATGGAAACAGCAA
CTTGACAGTGGCTGAGAAAATAGGATATAGTTTTGATTTTTTAATTGTAAATATTTTGAGGGAGA
ACAAAATCTTTTAACATTTGAATAAATTTAGAGTTTTATAAATA
ACGCGTAAGCGGCCGCGGCATCTAGATTGAAGAAAATGACCGACCAAGCGACGCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCGCTTCTATGAAAG
  
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Restriction Sites: SgfI-MluI


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OTI Disclaimer:	Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences , e.g., single nucleotide polymorphisms (SNPs).
Components:	The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.
RefSeq:	<u>NM_001048194.4</u>
Summary:	Guanine-nucleotide releasing factor that promotes the exchange of Ran-bound GDP by GTP, and thereby plays an important role in RAN-mediated functions in nuclear import and mitosis (PubMed:1944575, PubMed:17435751, PubMed:20668449, PubMed:22215983, PubMed:11336674). Contributes to the generation of high levels of chromosome-associated, GTP-bound RAN, which is important for mitotic spindle assembly and normal progress through mitosis (PubMed:12194828, PubMed:17435751, PubMed:22215983). Via its role in maintaining high levels of GTP-bound RAN in the nucleus, contributes to the release of cargo proteins from importins after nuclear import (PubMed:22215983). Involved in the regulation of onset of chromosome condensation in the S phase (PubMed:3678831). Binds both to the nucleosomes and double-stranded DNA (PubMed:17435751, PubMed:18762580). [UniProtKB/Swiss-Prot Function]
Locus ID:	1104
MW:	38.1