

Product datasheet for MC227676

Rcc1 (NM_001197082) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Rcc1 (NM_001197082) Mouse Untagged Clone
Tag: Tag Free
Symbol: Rcc1
Synonyms: 4931417M11Rik; AI326872; Chc1
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC227676 representing NM_001197082
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCCACCAAGCGCATAGCTAAGAGAAGGTCACCCCAAGAAGATGCCATCCCCAAAAGCAAGAAGGTGA
 AAGACTCGTAATCGCGGTCTGCTACTCGCTCGTGCCAAGTCTCACACAGTCCCACAACACAGAACC
 AGGCTTGGTGCTGACACTGGGCCAGGGCGACGTGGCCAGCTGGGGCTGGGTGAAAGTGTCTGGAGAGG
 AAGAAGCCGGCCTTGGTGCCCTTCTGCAGGATGTTGTGCAGGCTGAGGCCGGGGCATGCATACTGTGT
 GTCTGAGCCAAAGTGGCCAGGTCTACTCCTTTGGCTGCAATGACGAGGGTGCCTGGGAAGGGACTTC
 AGTCGAAGGCTCAGAAATGGTCCCTGGGAAAGTGGAACTGCAAGAGAAAGTGGTGAAGTGTGAGCGGG
 GACAGTCACACAGCAGCCCTCACCGAAGACGGCCGTGCTTCCTTTGGGGCTCTTCCGGGACAATAATG
 GTGTGATCGGGTGTGGAGCCCATGAAGAAGAGCATGGTACCTGTTCAAGTGCAGCTGGATGCGCCCGT
 GGTAAGGTGGCCTCGGGGAACGACCCTTGGTGTGCTCACGAACGATGGCGACCTCTACACCTTGGGT
 TGTGGGGAGCAAGGTGAGTGGCCGTGTACCTGAATTATTTGCCAACCGAGTGGCCGTGAGGGCCTTG
 GCGACTCCTGGTCCCCAGATGTGTGCTGCTGAAATCCAGGGGACCCGGGGCCTGTGCGGTTCCAGGA
 TGCCCTTGTGGCGCCTATTTCACTTTTGCCATCTCCCGAGAGGGCCACGTGTATGGCTTTGGCCTCTCC
 AACTATACCAGCTCGGGACTCCAGGCACTGGATCTTGCTTCATTCTCAAACTTGACATCCTTCAAGA
 ATTCCACCAAGTCTGGGTAGGCTTCTCCGGTGGCCAGCATCACACAGTCTGCATGGATTCGGAAGGGAA
 GGCGTACAGCCTGGGCCGGGCTGAGTACGGGCGCCTGGGCCTTGGGGAGGGTGTGAGGAGAAGAGCATA
 CCCACCCTCATTCCCGCTGCCGTGGTCTCCTCAGTGGCCTGTGGGGCTTCTGTGGTTATGCTGTGT
 CCAAGGATGGTCGTGTTTTGCTGGGGCATGGGCACCAACTACCAGTGGGCACCGGGCAGGATGAAGA
 TGCTGGAGTCTGTGAAATGACTGGCAAACAGCTGGAGAACCCTGTGGTGTAACTGTGTCCAGTGGG
 GGCCAGCACACGGTCTTACTAGTTAAGGACCAGGCACAGAGCTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA



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Restriction Sites:	Sgfl-Mlul
ACCN:	NM_001197082
Insert Size:	1305 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:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
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_001197082.1</u> , <u>NP_001184011.1</u>
RefSeq Size:	2332 bp
RefSeq ORF:	1305 bp
Locus ID:	100088
Cytogenetics:	4 D2.3
Gene Summary:	<p>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. 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. 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. Involved in the regulation of onset of chromosome condensation in the S phase. Binds both to the nucleosomes and double-stranded DNA.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1).</p>