

# Recombinant Human RCC1 Protein, Myc/DDK-tagged, C13 and N15-labeled

**Cat. No.** RCC1-2204H    **Lot. No.** (See product label)

## SPECIFICATION

|                         |  |
|-------------------------|--|
| <b>Product Overview</b> | SNHG3 MS Standard C13 and N15-labeled recombinant protein (NP_001041664) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.   |
| <b>Species</b>          | Human  |
| <b>Source</b>           | HEK293   |
| <b>Description</b>      | 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. |
| <b>Molecular Mass</b>   | 45 kDa   |
| <b>AA Sequence</b>      | MSPKRIAKRRSPPADAIPKSKKVKVSHRSHSTEPGLVLTGLGQGDVGGQLGLGENVME<br>RKKPALVSIPEDVVQAEAGGMHTVCLSKSGQVYSFGCNDGALGRDTSVEGSEMV<br>PGKVELQEKVQVSAGDSHTAALTDDGRVFLWGSFRDNNGVIGLLEPMKKSMPV<br>QVQLDVPVVKVASGNDHLVMLTADGDLYTLGCGEQGQLGRVPELFANRGGRRGLE<br>RLLVPKCVMLKSRGSRGHVRFQDAFCGAYFTFAISHEGHVYGFGLSNYHQLGTPGT   |

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ESCFIPQNLTSFKNSTKSWVGFSGGQHHTVCMDSEGKAYSLGRAEYGRRLGLGEGA  
 EEKSIPTLISRLPAVSSVACGASVGYAVTKDGRVFAWGMGTNYQLGTGQDEDAWS  
 PVEMMGKQLENRVVLSVSSGGQHTVLLVKDKEQSTRTRPLEQKLISEEDLAANDILD  
 YKDDDDKV

**Purity** > 80% as determined by SDS-PAGE and Coomassie blue staining

**Stability** Stable for 3 months from receipt of products under proper storage and handling conditions.

**Storage** Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

**Concentration** 50 µg/mL as determined by BCA

**Storage Buffer** 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

## GENE INFORMATION

**Gene Name** [RCC1 regulator of chromosome condensation 1 \[ Homo sapiens \(human\) \]](#)

**Official Symbol** [RCC1](#)

**Synonyms** RCC1; regulator of chromosome condensation 1; CHC1, chromosome condensation 1; regulator of chromosome condensation; cell cycle regulatory protein; SNHG3-RCC1 readthrough transcript; guanine nucleotide-releasing protein; CHC1; RCC1-I; SNHG3-RCC1;

**Gene ID** [1104](#)

**mRNA Refseq** [NM\\_001048199](#)

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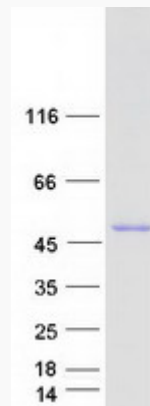
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**Protein Refseq** NP\_001041664

**MIM** 179710

**UniProt ID** P18754

**SDS-PAGE**



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