

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

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

SPECIFICATION

Product Overview	SNHG3 MS Standard C13 and N15-labeled recombinant protein (NP_001041664) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	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.
Molecular Mass	45 kDa
AA Sequence	MSPKRIAKRRSPPADAIPKSKVKVSHRSHSTEPGLVLTGQGDVGQLGLGENVME RKKPALVSIPEDVVQAEAGGMHTVCLSKSGQVYSFGCNDÉGALGRDTSVEGSEMV PGKVELQEKKVQVSAGDSHTAALTDDGRVFLWGSFRDNNGVIGLLEPMKKSMVPV QVQLDVPVVKVASGNDHLVMLTADGDLYTLGCGEQGQLGRVPELFANRGGRQGLE RLLVPCVMLKSRGSRGHVRFQDAFCGAYFTFAISHEGHVYGFGLSNYHQLGTPGT

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ESCFIPQNLTSFKNSTKSWVGFSGGQHHTVCMDSEGKAYSLGRAEYGRGLGEGA
 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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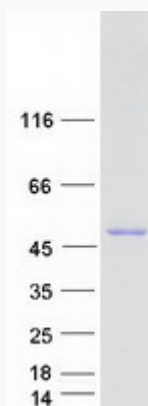
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Protein Refseq NP_001041664

MIM 179710

UniProt ID P18754

SDS-PAGE



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