

## Recombinant Full Length Mouse Rcc1 Protein, MYC/DDK-tagged

Cat. No. Rcc1-019M Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Purified recombinant protein of full-length mouse regulator of chromosome condensation 1 (Rcc1), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
<b>Species</b>	Mouse
<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>	44.9 kDa
<b>Purity</b>	>80%, as determined by SDS-PAGE and Coomassie blue staining
<b>Stability</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>Storage</b>	Store at -80 centigrade after receiving vials.

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**Concentration** >50 ug/mL as determined by microplate BCA method

**Storage Buffer** 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

## GENE INFORMATION

**Gene Name** Rcc1 regulator of chromosome condensation 1 [ *Mus musculus* (house mouse) ]

**Official Symbol** Rcc1

**Synonyms** Rcc1; regulator of chromosome condensation 1; Chc1; AI326872; 4931417M11Rik; regulator of chromosome condensation; chromosome condensation protein 1

**Gene ID** 100088

**mRNA Refseq** NM\_133878

**Protein Refseq** NP\_598639

**UniProt ID** Q8VE37

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