

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

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

SPECIFICATION

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

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Concentration	>50 ug/mL as determined by microplate BCA method
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Storage Buffer	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.
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GENE INFORMATION

Gene Name	Rcc1 regulator of chromosome condensation 1 [Mus musculus (house mouse)]
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Official Symbol	Rcc1
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Synonyms	Rcc1; regulator of chromosome condensation 1; Chc1; AI326872; 4931417M11Rik; regulator of chromosome condensation; chromosome condensation protein 1
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Gene ID	100088
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mRNA Refseq	NM_133878
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Protein Refseq	NP_598639
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UniProt ID	Q8VE37
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