

Recombinant Human Regulator Of Chromosome Condensation 1

Cat. No. RCC1-1139H Lot. No. (See product label)

SPECIFICATION

Species Human

Source E.coli

Description RCC1 (Regulator of Chromosome Condensation, α β propeller chromatin-bound protein) catalyzes guanine nucleotide exchange of the Ras-related nuclear protein Ran. RCC1 is the guanine nucleotide exchange factor (GEF) for Ran which induces exchange between the bound GDP and cellular GTP. Genetic studies have suggested that RCC1 may be involved in sensing the replication state of DNA and controlling the activation of Cdc2/cyclin B protein kinase through Ran. MW = 44.97 kDa.

Purity $\geq 95\%$ by SDS-PAGE.

Form Liquid. Supplied in 20 mM HEPES pH 7.6, 50 mM NaCl and 2 mM DTE.

Storage Quality guaranteed for 12 months. Store at -80°C . Avoid freeze / thaw cycles.

Usage For in vitro use only.

GENE INFORMATION

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

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Synonyms	regulator of chromosome condensation 1; CHC1; RCC1-I; RCC1; OTTHUMP00000003775; chromosome condensation 1; guanine nucleotide-releasing protein; HERC2; SHEP1 ; OTTHUMP00000003775; OTTHUMP00000003776; OTTHUMP00000003777; Cell cycle regulatory protein; Chromosome condensation protein 1
Gene ID	1104
mRNA Refseq	NM_001048194
Protein Refseq	NP_001041659
MIM	179710
UniProt ID	P18754
Chromosome Location	1p35.3
Function	Ran guanyl-nucleotide exchange factor activity; chromatin binding; guanyl-nucleotide exchange factor activity; histone binding

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