

## RCC1

# Recombinant Human Regulator of Chromosome Condensation

<b>Catalog No.</b>	CSI11729	<b>Quantity:</b>	50 µg
<b>Alternate Names:</b>	RCC1, Ran Guanine Exchange Factor, Chromosome condensation 1, Cell cycle regulatory protein		
<b>Description:</b>	RCC1, a beta 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.		
<b>UniProt ID:</b>	P18754		
<b>Gene ID:</b>	1104		
<b>Source:</b>	<i>E. coli</i>		
<b>Molecular Weight:</b>	44.97 kDa (421 amino acids)		
<b>Formulation:</b>	20 mM HEPES, 50 mM NaCl, 2 mM DTE, pH 7.6		
<b>Purity:</b>	> 95% by SDS-PAGE		
<b>Storage &amp; Stability:</b>	Store at -80°C for up to 1 year. Upon initial thaw, prepare aliquots and store at -80°C. <b>Avoid freeze / thaw cycles.</b>		

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