Recombinant Human RCC1 293 Cell Lysate

Cat. No. RCC1-2445HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	
Species	Human
Source	HEK293
Description	Antigen standard for regulator of chromosome condensation 1 (RCC1), transcript variant 3 is a lysate prepared from HEK293T cells transiently transfected with a TrueORF gene-carrying pCMV plasmid and then lysed in RIPA Buffer. Protein concentration was determined using a colorimetric assay. The antigen control carries a C-terminal Myc/DDK tag for detection.
Components	This product includes 3 vials: 1 vial of gene-specific cell lysate, 1 vial of control vector cell lysate, and 1 vial of loading buffer. Each lysate vial contains 0.1 mg lysate in 0.1 ml (1 mg/ml) of RIPA Buffer (50 mM Tris-HCl pH7.5, 250 mM NaCl, 5 mM EDTA, 50 mM NaF, 1% NP40). The loading buffer vial contains 0.5 ml 2X SDS Loading Buffer (125 mM Tris-Cl, pH6.8, 10% glycerol, 4% SDS, 0.002% Bromophenol blue, 5% beta-mercaptoethanol).
Size	0.1 mg
Storage Instruction	Store at -80°C. Minimize freeze-thaw cycles. After addition of 2X SDS Loading Buffer, the lysates can be stored at -20°C. Product is guaranteed 6 months from the date of shipment.

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Applications	ELISA, WB, IP. WB: Mix equal volume of lysates with 2X SDS Loading Buffer. Boil the mixture for 10 min before loading (for membrane protein lysates, incubate the mixture at room temperature for 30 min). Load 5 ug lysate per lane.

GENE INFORMATION

Gene Name	RCC1 regulator of chromosome condensation 1 [Homo sapiens]
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_001048194
Protein Refseq	NP_001041659
MIM	179710
UniProt ID	P18754
Chromosome Location	1p35.3
Pathway	Disease, organism-specific biosystem; HIV Infection, organism-specific biosystem; HIV Life Cycle, organism-specific biosystem; Host Interactions of HIV factors, organism-specific biosystem; Interactions of Rev with host cellular proteins, organism-

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	specific biosystem; Late Phase of HIV Life Cycle, organism-specific biosystem; Nuclear import of Rev protein, organism-specific biosystem;
Function	DNA binding; Ran guanyl-nucleotide exchange factor activity; chromatin binding; guanyl-nucleotide exchange factor activity; histone binding; nucleosomal DNA binding; protein binding;

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