

Recombinant Human RCC1 293 Cell Lysate

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

SPECIFICATION

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.
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

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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-specific biosystem; Late Phase of HIV Life Cycle, organism-specific biosystem; Nuclear import of Rev protein, organism-specific biosystem;

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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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