

Recombinant Human RAD21 293 Cell Lysate

Cat. No. RAD21-2560HCL **Lot. No.** (See product label)

SPECIFICATION

Species	Human
Source	HEK293
Description	Antigen standard for RAD21 homolog (<i>S. pombe</i>) (RAD21) 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 RAD21 RAD21 homolog (S. pombe) [Homo sapiens]

Official Symbol RAD21

Synonyms RAD21; RAD21 homolog (S. pombe); RAD21 (S. pombe) homolog; double-strand-break repair protein rad21 homolog; hHR21; KIAA0078; SCC1; NXP-1; SCC1 homolog; nuclear matrix protein 1; protein involved in DNA double-strand break repair; HR21; MCD1; NXP1; HRAD21; FLJ25655; FLJ40596;

Gene ID 5885

mRNA Refseq NM_006265

Protein Refseq NP_006256

MIM 606462

UniProt ID O60216

Chromosome Location 8q24.11

Pathway Cell Cycle, organism-specific biosystem; Cell Cycle, Mitotic, organism-specific biosystem; Cell cycle, organism-specific biosystem; Cell cycle, conserved biosystem; Chromosome Maintenance, organism-specific biosystem; DNA Replication, organism-specific biosystem; M Phase, organism-specific biosystem;

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Function

protein binding;

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