

Recombinant Human RAD17 293 Cell Lysate

Cat. No. RAD17-2563HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for RAD17 homolog (<i>S. pombe</i>) (RAD17), transcript variant 7 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 RAD17 RAD17 homolog (S. pombe) [Homo sapiens]

Official Symbol RAD17

Synonyms RAD17; RAD17 homolog (S. pombe); RAD1 (S. pombe) homolog; cell cycle checkpoint protein RAD17; CCYC; RAD17Sp; Rad24; RAD1 homolog; Rad17-like protein; RF-C activator 1 homolog; RF-C/activator 1 homolog; cell cycle checkpoint protein (RAD17); R24L; RAD24; HRAD17; RAD17SP; FLJ41520;

Gene ID 5884

mRNA Refseq NM_133344

Protein Refseq NP_579922

MIM 603139

UniProt ID O75943

Chromosome Location 5q13

Pathway Activation of ATR in response to replication stress, organism-specific biosystem; Cell Cycle, organism-specific biosystem; Cell Cycle Checkpoints, organism-specific biosystem; G2/M Checkpoints, organism-specific biosystem;

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Function

ATP binding; nucleoside-triphosphatase activity; nucleotide binding; protein binding;

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