Recombinant Human RAD51L1 293 Cell Lysate

Cat. No. RAD51B-2554HCL **Lot. No.** (See product label)

SPECIFICATION

Species	Human
Source	HEK293
Description	Antigen standard for RAD51-like 1 (S. cerevisiae) (RAD51L1), 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	RAD51B RAD51 paralog B [Homo sapiens]
Official Symbol	RAD51B
Synonyms	REC2; R51H2; RAD51L1; DNA repair protein RAD51 homolog 2; RAD51 homolog B; RecA-like protein; recombination repair protein
Gene ID	5890
mRNA Refseq	NM_133509
Protein Refseq	NP_598193
MIM	602948
Chromosome Location	14q23-q24.2
Pathway	Factors involved in megakaryocyte development and platelet production, organism-specific biosystem; Homologous recombination, organism-specific biosystem
Function	ATP binding; DNA-dependent ATPase activity; protein binding

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