Recombinant Human RAD51L1 293 Cell Lysate

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

SPECIFICATION

Product Overview	
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.

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

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	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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