

Recombinant Human RAD51L3 293 Cell Lysate

Cat. No. RAD51D-2553HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for RAD51-like 3 (<i>S. cerevisiae</i>) (RAD51L3), transcript variant 1 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	RAD51D RAD51 paralog D [Homo sapiens]
Official Symbol	RAD51D
Synonyms	TRAD; R51H3; BROVCA4; RAD51L3; DNA repair protein RAD51 homolog 4; RAD51 homolog D; RAD51-like protein 3; recombination repair protein
Gene ID	5892
mRNA Refseq	NM_002878
Protein Refseq	NP_002869
MIM	602954
UniProt ID	O75771
Chromosome Location	17q11
Pathway	Homologous recombination, organism-specific biosystem; Homologous recombination, conserved biosystem
Function	ATP binding; DNA binding; contributes_to four-way junction DNA binding

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