Recombinant Human RAD23B 293 Cell Lysate

Cat. No. RAD23B-2558HCL **Lot. No.** (See product label)

SPECIFICATION

Species	Human
Source	HEK293
Description	Antigen standard for RAD23 homolog B (S. cerevisiae) (RAD23B) 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	RAD23B RAD23 homolog B (S. cerevisiae) [Homo sapiens]
Official Symbol	RAD23B
Synonyms	RAD23B; RAD23 homolog B (S. cerevisiae); RAD23 (S. cerevisiae) homolog B; UV excision repair protein RAD23 homolog B; HHR23B; HR23B; P58; XP C repair complementing complex 58 kDa; XP C repair complementing protein; RAD23, yeast homolog of, B; XP-C repair complementing protein; XP-C repair complementing complex 58 kDa; XP-C repair-complementing complex 58 kDa protein;
Gene ID	5887
mRNA Refseq	NM_001244713
Protein Refseq	NP_001231642
MIM	600062
UniProt ID	P54727
Chromosome Location	9q31.2
Pathway	DNA Damage Recognition in GG-NER, organism-specific biosystem; DNA Repair, organism-specific biosystem; Dual incision reaction in GG-NER, organism-specific biosystem; Formation of incision complex in GG-NER, organism-specific biosystem; Global Genomic NER (GG-NER), organism-specific biosystem; Nucleotide Excision

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	Repair, organism-specific biosystem; Nucleotide excision repair, organism-specific biosystem;
Function	damaged DNA binding; polyubiquitin binding; protein binding; single-stranded DNA binding;

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