

Recombinant Human RUVBL2 293 Cell Lysate

Cat. No. RUVBL2-2104HCL **Lot. No.** (See product label)

SPECIFICATION

Species	Human
Source	HEK293
Description	Antigen standard for RuvB-like 2 (E. coli) (RUVBL2) 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	RUVBL2 RuvB-like 2 (E. coli) [Homo sapiens]
Official Symbol	RUVBL2
Synonyms	RUVBL2; RuvB-like 2 (E. coli); RuvB (E coli homolog) like 2; ruvB-like 2; ECP51; INO80 complex subunit J; INO80J; reptin; Reptin52; Rvb2; RVB2; TIH2; TIP48; TIP49b; ECP-51; reptin 52; TAP54-beta; reptin52 protein; repressing pontin 52; RuvB (E coli homolog)-like 2; 48 kDa TBP-interacting protein; TBP-interacting protein, 48-KD; TIP60-associated protein 54-beta; 51 kDa erythrocyte cytosolic protein; erythrocyte cytosolic protein, 51-KD; 48 kDa TATA box-binding protein-interacting protein; CGI-46; REPTIN; TIP49B;
Gene ID	10856
mRNA Refseq	NM_006666
Protein Refseq	NP_006657
MIM	604788
UniProt ID	Q9Y230
Chromosome Location	19q13.3
Pathway	ATF-2 transcription factor network, organism-specific biosystem; C-MYC pathway, organism-specific biosystem; Cell Cycle, organism-specific biosystem; Chromosome

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Maintenance, organism-specific biosystem; Extension of Telomeres, organism-specific biosystem; Regulation of Wnt-mediated beta catenin signaling and target gene transcription, organism-specific biosystem; Telomere Extension By Telomerase, organism-specific biosystem;

Function

ATP binding; ATP-dependent DNA helicase activity; contributes_to ATPase activity; DNA helicase activity; damaged DNA binding; hydrolase activity; identical protein binding; identical protein binding; nucleotide binding; protein binding; unfolded protein binding;

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