Recombinant Human RPL7A 293 Cell Lysate

Cat. No. RPL7A-2189HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	
Species	Human
Source	HEK293
Description	Antigen standard for ribosomal protein L7a (RPL7A) 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	RPL7A ribosomal protein L7a [Homo sapiens]
Official Symbol	RPL7A
Synonyms	RPL7A; ribosomal protein L7a; 60S ribosomal protein L7a; L7A; PLA X polypeptide; SURF3; surfeit 3; surfeit locus protein 3; thyroid hormone receptor uncoupling protein; TRUP; PLA-X polypeptide;
Gene ID	6130
mRNA Refseq	NM_000972
Protein Refseq	NP_000963
MIM	185640
UniProt ID	P62424
Chromosome Location	9q34
Pathway	Cap-dependent Translation Initiation, organism-specific biosystem; Cytoplasmic Ribosomal Proteins, organism-specific biosystem; Disease, organism-specific biosystem; Eukaryotic Translation Elongation, organism-specific biosystem; Eukaryotic Translation Initiation, organism-specific biosystem; Eukaryotic Translation

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	Termination, organism-specific biosystem; Formation of a pool of free 40S subunits, organism-specific biosystem;
Function	RNA binding; protein binding; structural constituent of ribosome;

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