

Recombinant Human RPL37A 293 Cell Lysate

Cat. No. RPL37A-2197HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for ribosomal protein L37a (RPL37A) 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	RPL37A ribosomal protein L37a [Homo sapiens]
Official Symbol	RPL37A
Synonyms	L37A; 60S ribosomal protein L37a
Gene ID	6168
mRNA Refseq	NM_000998
Protein Refseq	NP_000989
MIM	613314
UniProt ID	P61513
Chromosome Location	2q35
Pathway	Cap-dependent Translation Initiation, organism-specific biosystem; Influenza Infection, organism-specific biosystem; Peptide chain elongation, organism-specific biosystem
Function	metal ion binding; poly(A) RNA binding; structural constituent of ribosome

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