

Recombinant Human RPS27A 293 Cell Lysate

Cat. No. RPS27A-2165HCL **Lot. No.** (See product label)

SPECIFICATION

Species	Human
Source	HEK293
Description	Antigen standard for ribosomal protein S27a (RPS27A), 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.
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 [RPS27A ribosomal protein S27a \[Homo sapiens \]](#)

Official Symbol RPS27A

Synonyms RPS27A; ribosomal protein S27a; ubiquitin-40S ribosomal protein S27a; S27A; Uba80; UBCEP80; ubiquitin carboxyl extension protein 80; ubiquitin C; ubiquitin-CEP80; 40S ribosomal protein S27a; ubiquitin and ribosomal protein S27a; UBC; CEP80; UBA80; UBCEP1;

Gene ID [6233](#)

mRNA Refseq [NM_001135592](#)

Protein Refseq [NP_001129064](#)

MIM [191343](#)

UniProt ID [P62979](#)

Chromosome Location 2p16

Pathway APC/C-mediated degradation of cell cycle proteins, organism-specific biosystem; APC/C:Cdc20 mediated degradation of Cyclin B, organism-specific biosystem; APC/C:Cdc20 mediated degradation of Securin, organism-specific biosystem; APC/C:Cdc20 mediated degradation of mitotic proteins, organism-specific biosystem; APC/C:Cdh1 mediated degradation of Cdc20 and other APC/C:Cdh1 targeted

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proteins in late mitosis/early G1, organism-specific biosystem; Activated NOTCH1 Transmits Signal to the Nucleus, organism-specific biosystem; Activated NOTCH1 Transmits Signal to the Nucleus, organism-specific biosystem;

Function

metal ion binding; structural constituent of ribosome; ubiquitin-protein ligase activity;

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