# Recombinant Human RPS27A 293 Cell Lysate

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

## SPECIFICATION

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| **Product Overview** | |
| **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. |

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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

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| **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; |

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| | APC/C:Cdc20 mediated degradation of mitotic proteins, organism-specific biosystem; APC/C:Cdh1 mediated degradation of Cdc20 and other APC/C:Cdh1 targeted 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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