Recombinant Human RPS6KA3 293 Cell Lysate

Cat. No. RPS6KA3-2161HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	
Species	Human
Source	HEK293
Description	Antigen standard for ribosomal protein S6 kinase, 90kDa, polypeptide 3 (RPS6KA3) 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	RPS6KA3 ribosomal protein S6 kinase, 90kDa, polypeptide 3 [Homo sapiens]
Official Symbol	RPS6KA3
Synonyms	RPS6KA3; ribosomal protein S6 kinase, 90kDa, polypeptide 3; CLS, Coffin Lowry syndrome , mental retardation, X linked 19 , MRX19, ribosomal protein S6 kinase, 90kD, polypeptide 3; ribosomal protein S6 kinase alpha-3; HU 3; RSK; RSK2; RSK-2; p90-RSK 3; MAPKAPK-1b; S6K-alpha-3; MAPKAP kinase 1b; ribosomal S6 kinase 2; MAPK-activated protein kinase 1b; insulin-stimulated protein kinase 1; MAP kinase-activated protein kinase 1b; CLS; HU-3; MRX19; ISPK-1; p90-RSK2; pp90RSK2; MAPKAPK1B; S6K-alpha3;
Gene ID	6197
mRNA Refseq	NM_004586
Protein Refseq	NP_004577
MIM	300075
UniProt ID	P51812
Chromosome Location	Xp22.2-p22.1

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Pathway	Activated TLR4 signalling, organism-specific biosystem; Activation of NMDA receptor upon glutamate binding and postsynaptic events, organism-specific biosystem; Axon guidance, organism-specific biosystem; CREB phosphorylation, organism-specific biosystem; CREB phosphorylation through the activation of Ras, organism-specific biosystem; Coregulation of Androgen receptor activity, organism-specific biosystem; Cytoplasmic Ribosomal Proteins, organism-specific biosystem;
Function	ATP binding; cysteine-type endopeptidase inhibitor activity involved in apoptotic process; magnesium ion binding; nucleotide binding; protein kinase activity; protein serine/threonine kinase activity;

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