

Recombinant Human RPS6KA4 293 Cell Lysate

Cat. No. RPS6KA4-2160HCL **Lot. No.** (See product label)

SPECIFICATION

Species	Human
Source	HEK293
Description	Antigen standard for ribosomal protein S6 kinase, 90kDa, polypeptide 4 (RPS6KA4), 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	RPS6KA4 ribosomal protein S6 kinase, 90kDa, polypeptide 4 [Homo sapiens]
Official Symbol	RPS6KA4
Synonyms	RPS6KA4; ribosomal protein S6 kinase, 90kDa, polypeptide 4; ribosomal protein S6 kinase, 90kD, polypeptide 4; ribosomal protein S6 kinase alpha-4; MSK2; RSK B; RSKB; S6K-alpha-4; ribosomal protein kinase B; ribosomal protein S6 kinase alpha 4; 90 kDa ribosomal protein S6 kinase 4; mitogen- and stress-activated protein kinase 2; nuclear mitogen- and stress-activated protein kinase 2; RSK-B;
Gene ID	8986
mRNA Refseq	NM_001006944
Protein Refseq	NP_001006945
MIM	603606
UniProt ID	O75676
Chromosome Location	11q11-q13
Pathway	Axon guidance, organism-specific biosystem; Developmental Biology, organism-specific biosystem; ErbB1 downstream signaling, organism-specific biosystem; Insulin Signaling, organism-specific biosystem; L1CAM interactions, organism-specific biosystem; MAPK signaling pathway, organism-specific biosystem; MAPK signaling

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pathway, conserved biosystem;

Function

ATP binding; magnesium ion binding; mitogen-activated protein kinase p38 binding; nucleotide binding; protein binding; protein serine/threonine kinase activity; protein serine/threonine kinase activity; ribosomal protein S6 kinase activity;

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