

Recombinant Human KPNA1 293 Cell Lysate

Cat. No. KPNA1-4892HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for karyopherin alpha 1 (importin alpha 5) (KPNA1), 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
Gene Name

KPNA1 karyopherin alpha 1 (importin alpha 5) [Homo sapiens]

Official Symbol

KPNA1

Synonyms

KPNA1; karyopherin alpha 1 (importin alpha 5); importin subunit alpha-1; IPOA5; NPI 1; RCH2; SRP1; SRP1-beta; importin alpha 5; importin-alpha-S1; RAG cohort protein 2; nucleoprotein interactor 1; karyopherin subunit alpha-1; recombination activating gene cohort 2; NPI-1;

Gene ID

3836

mRNA Refseq

NM_002264

Protein Refseq

NP_002255

MIM

600686

UniProt ID

P52294

Chromosome Location

3q21

Pathway

Activation of DNA fragmentation factor, organism-specific biosystem; Antiviral mechanism by IFN-stimulated genes, organism-specific biosystem; Apoptosis, organism-specific biosystem; Apoptosis induced DNA fragmentation, organism-

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specific biosystem; Apoptotic executionphase, organism-specific biosystem; Class I PI3K signaling events mediated by Akt, organism-specific biosystem; Cytokine Signaling in Immune system, organism-specific biosystem;

Function

nuclear localization sequence binding; protein binding; protein transporter activity;

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