

Recombinant Human KPNA3 293 Cell Lysate

Cat. No. KPNA3-4890HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species Human

Source HEK293

Description

Antigen standard for karyopherin alpha 3 (importin alpha 4) (KPNA3) 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

KPNA3 karyopherin alpha 3 (importin alpha 4) [Homo sapiens]

Official Symbol

KPNA3

Synonyms

KPNA3; karyopherin alpha 3 (importin alpha 4); importin subunit alpha-3; hSRP1; IPOA4; SRP1gamma; SRP4; qip2; SRP1-gamma; importin alpha 4; importin alpha-3; importin alpha Q2; importin-alpha-Q2; karyopherin subunit alpha-3; SRP1;

Gene ID

3839

mRNA Refseq

NM_002267

Protein Refseq

NP_002258

MIM

601892

UniProt ID

O00505

**Chromosome
Location**

13q14.3

Pathway

Antiviral mechanism by IFN-stimulated genes, organism-specific biosystem; Cytokine Signaling in Immune system, organism-specific biosystem; ISG15 antiviral mechanism, organism-specific biosystem; Immune System, organism-specific biosystem; Interferon Signaling, organism-specific biosystem; TNF-alpha/NF-kB

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Signaling Pathway, organism-specific biosystem;

Function

nuclear localization sequence binding; protein C-terminus binding; protein binding;
protein transporter activity;

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