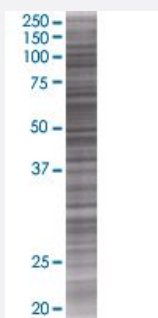


# KPNA1 293T Cell Transient Overexpression Lysate(Denatured)

Catalog # H00003836-T01

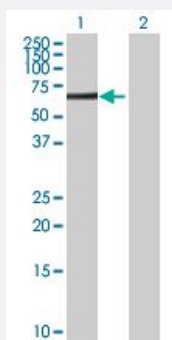
Size 100 uL

## Applications



### SDS-PAGE Gel

KPNA1 transfected lysate.



### Western Blot

Lane 1: KPNA1 transfected lysate ( 60.2 KDa)

Lane 2: Non-transfected lysate.

## Specification

Transfected Cell Line	293T
Plasmid	pCMV-KPNA1 full-length
Host	Human
Theoretical MW (kDa)	60.2
Interspecies Antigen Sequence	Mouse (98); Rat (99)

**Quality Control Testing**

Transient overexpression cell lysate was tested with Anti-KPNA1 antibody ([H00003836-B01](#)) by Western Blots.  
SDS-PAGE Gel  
KPNA1 transfected lysate.  
Western Blot  
Lane 1: KPNA1 transfected lysate ( 60.2 KDa)  
Lane 2: Non-transfected lysate.

**Storage Buffer**

1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)

**Storage Instruction**

Store at -80°C. Aliquot to avoid repeated freezing and thawing.

## Applications

- Western Blot

## Gene Info — KPNA1

**Entrez GeneID**[3836](#)**GeneBank Accession#**[NM\\_002264](#)**Protein Accession#**[NP\\_002255](#)**Gene Name**

KPNA1

**Gene Alias**

IPOA5, NPI-1, RCH2, SRP1

**Gene Description**

karyopherin alpha 1 (importin alpha 5)

**Omim ID**[600686](#)**Gene Ontology**[Hyperlink](#)**Gene Summary**

Recombination activating proteins RAG1 and RAG2 regulate and mediate V(D)J recombination, the process by which genes for immunoglobulins and T-cell receptors are generated. Several other ubiquitously expressed proteins are thought to be recruited in the recombination process. Among these are the genes affected in severe combined immune deficiency and genes involved in ds-DNA break repair. The protein encoded by this gene interacts with RAG1 and may play a role in V(D)J recombination. Two transcript variants, one protein-coding and the other not, have been found for this gene. [provided by RefSeq]

**Other Designations**

importin alpha 5|importin-alpha-S1|karyopherin alpha 1|nucleoprotein interactor 1|recombination activating gene cohort 2