

Recombinant Full Length Human KPNA1 Protein

Cat. No. KPNA1-271HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human SRP1 with a N terminal proprietary tag; predicted MW: 84.92 kDa, inclusive of tag. AAH02374.1, P52294.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	538 amino acids
Description	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.
Form	Liquid
Molecular Mass	84.920kDa inclusive of tags
AA Sequence	MTTPGKENFRLKSYKNKSLNPDEMRRRREEEGLQLRKQKR EEQLFKRRNVATAEE ETEEEVMSDGGFHEAQINMEMAPG GVITSDMIEMIFSKSPEQQLSATQKFRKLLS KEPNPPIDE VISTPGVVARFVEFLKRKENCTLQFESAWVLTNIASGNSL QTRIVIQAG

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AVPIFIELLSSEFEDVQEQAVWALGNIAGDS TMCRDYVLD CNILPPLLQLFSKQNRLT
MTRNAVWALS NLC RGKSPPEFAKVSPCLNVLSWLLFVSDTDVLADACWALSY LS
DGPNDKIQAVIDAGVCRRLVELLMHNDYKVVSPALRAV GNIVTGDDIQTQVILNCSA
LQSLHLLSSPKESIKKEACW TISNITAGNRAQIQTVIDANIFPALISILQTAEFRTRKEA
AWAITNATSGGSAEQIKYLVELGCIKPLCDLLTVMDSKIV QVALNGLENILRLGEQEA
KRNGTGINPYCALIEEAYGLDK IEFLQSHENQEIYQKAFDLIEHYFGTEDEDSSIAPQ
VDLN QQQYIFQQCEAPMEGFQL

Purity Proprietary Purification

Storage Shipped on dry ice. Upon delivery aliquot and store at -80 centigrade. Avoid freeze / thaw cycles.

Storage Buffer pH: 8.00. Constituents:0.79% Tris HCl, 0.31% Glutathione.

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

Gene ID [3836](#)

mRNA Refseq [NM_002264](#)

Protein Refseq [NP_002255](#)

MIM [600686](#)

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UniProt ID

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