

Recombinant Human KPNA1 Protein, GST-tagged

Cat. No. KPNA1-4898H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human KPNA1 full-length ORF (AAH02374.1, 1 a.a. - 538 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	Wheat Germ
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. [provided by RefSeq]
Molecular Mass	84.92 kDa
AA Sequence	MTTPGKENFRLKSYKNKSLNPDEMRRRREEEGLQLRKQKREEQLFKRRNVATAEE ETEEEVMSDGGFHEAQINNMEMAPGGVITSDMIEMIFSKSPEQQLSATQKFRKLLSK EPNPPIDEVISTPGVVARFVEFLKRKENCTLQFESAWVLTNIASGNSLQTRIVIQAGAV PIFIELLSSEFEDVQEQAVWALGNIAGDSTMCRDYVLDCNILPPLLQLFSKQNRLTMT RNAVWALSNLCRGKSPPEFAKVSPCLNVLSWLLFVSDTDVLADACWALSYSLSGDP NDKIQAVIDAGVCRRLVELLMHNDYKVVSPALRAVGNIIVTGDDIQTQVILNCSALQSL

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LHLLSSPKESIKKEACWTISNITAGNRAQIQTVIDANIFPALISILQTAEFRTRKEAAWAI
 TNATSGGSAEQIKYLVELGCIKPLCDLLTVMSKIVQVALNGLNLRGEQEAQRNG
 TGINPYCALIEEAYGLDKIEFLQSHENQEIYQKAFDLIEHYFGTEDEDSSIAPQVDLNQ
 QQYIFQQCEAPMEGFQL

Applications

Enzyme-linked Immunoabsorbent Assay
 Western Blot (Recombinant protein)
 Antibody Production
 Protein Array

Notes Best use within three months from the date of receipt of this protein.

Storage Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

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](#)

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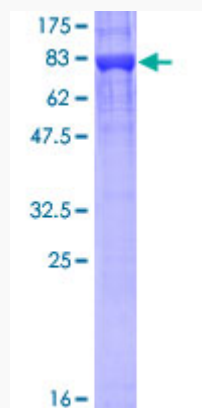
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Protein Refseq NP_002255

MIM 600686

UniProt ID P52294

**Quality Control
Testing**



12.5% SDS-PAGE Stained with Coomassie Blue

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