

Recombinant Full Length Human KPNA1 Protein, GST-tagged

Cat. No. KPNA1-5792HF **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	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. [provided by RefSeq]
Molecular Mass	84.92 kDa
AA Sequence	MTTPGKENFRLKSYKNKSLNPDEMRRRREEEGLQLRKQKREEQLFKRRNVATAEE ETEEEVMSDGGFHEAQINNMEMAPGGVITSDMIEMIFSKSPEQQLSATQKFRKLLSK EPNPPIDEVISTPGVVARFVEFLKRKENCTLQFESAWVLTNIASGNSLQTRIVIQAGAV PIFIELLSSEFEDVQEQAVWALGNIAGDSTMCRDYLDCNILPPLLQLFSKQNRLTMT RNAVWALSNLCRGKSPPEFAKVSPCLNVLSWLLFVSDTDVLADACWALSYLSDGP

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

NDKIQAVIDAGVCRRLVELLMHNDYKVVSPALRAVGNIVTGDDIQTQVILNCSALQSL
LHLLSSPKESIKKEACWTISNITAGNRAQIQTVIDANIFPALISILQTAEFRTRKEAAWAI
TNATSGGSAEQIKYLVELGCIKPLCDLLTVMSKIVQVALNGLENILRLGEQEAKRNG
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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Protein Refseq	NP_002255
MIM	600686
UniProt ID	P52294

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