

Recombinant Full Length Human KPNA5 Protein

Cat. No. KPNA5-274HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human KPNA5 with N terminal proprietary tag, Predicted MWt 85.4 kDa including the tag.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	539 amino acids
Description	The transport of molecules between the nucleus and the cytoplasm in eukaryotic cells is mediated by the nuclear pore complex (NPC) which consists of 60-100 proteins and is probably 120 million daltons in molecular size. Small molecules (up to 70 kD) can pass through the nuclear pore by nonselective diffusion; larger molecules are transported by an active process. Most nuclear proteins contain short basic amino acid sequences known as nuclear localization signals (NLSs). KPNA5 protein belongs to the importin alpha protein family and is thought to be involved in NLS-dependent protein import into the nucleus.
Form	Liquid
Molecular Mass	85.400kDa inclusive of tags
AA Sequence	MDAMASPGKDNRYRMKSYKNKALNPQEMRRRREEEGIQLRK QKREEQLFKRRNVY LPRNDESMLESPIQDPDISSTVPIPE EEVTTDMVQMIFSNADQQLTATQKFRKLL SKEPNPID QVIQKPGVVQRQFVKFLERNENCTLQFEAAWALTNIASGTF LHTKVVIE

 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

TGAVPIFIKLLNSEHEDVQEQAVWALGNIAGD NAECRDFVLNCEILPPLLELLTNSNR
 LTTTRNAVWALS NL CRGKNPPPNFSKVSPCLNVLSRLLFSSDPDLADVCWALS YL
 SDGPNDKIQAVIDSGVCRRLLVELLMHNDYKVVSPALRA VGNIVTGDDIQTQVILNCS
 ALPCLLHLLSSPKESIRKEAC WTVSNITAGNRAQIQAVIDANIFPVILIEILQKAEFRTRK
 E AAWAITNATSGGTPEQIRYLVALGCIKPLCDLLTVMDSKI VQVALNGLENILRLGEQ
 ESKQNGIGINPYCALIEEAYGLD KIEFLQSHENQEIYQKAFDLIEHYFGVEEDDPSIVP
 QVDE NQQQFIFQQQEAPMDGFQL

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 KPNA5 karyopherin alpha 5 (importin alpha 6) [Homo sapiens]

Official Symbol KPNA5

Synonyms KPNA5; karyopherin alpha 5 (importin alpha 6); importin subunit alpha-6; IPOA6; SRP6

Gene ID 3841

mRNA Refseq NM_002269

Protein Refseq NP_002260

MIM 604545

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UniProt ID

O15131

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