

Recombinant Full Length Human KPNA5 Protein, GST-tagged

Cat. No. KPNA5-5819HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human KPNA5 full-length ORF (AAH47409.1, 1 a.a. - 539 a.a.) recombinant protein with GST-tag at N-terminal.
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. [provided by RefSeq]
Molecular Mass	85.03 kDa
AA Sequence	MDAMASPGKDNRYRMKSYKNKALNPQEMRRRREEEGIQLRKQKREEQLFKRRNVYL PRNDESMLESPIQDPDISSTVPIPEEEVVTDMVQMIFSNNADQQLTATQKFRKLLSK EPNPPIDQVIQKPGVVQRFVKFLERNENCTLQFEAAWALTNIASGTFLLTKVVIETGA VPIFIKLLNSEHEDVQEQAVALGNIAGDNAECRDFVLNCEILPPLLELLTNSNRLTTT RNAVWALSNLCRGKNPPPNFSKVSCLNVLSRLLFSSDPDVLADVCWALSYSLSGDP

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NDKIQAVIDSGVCRRLVELLMHNDYKVVSPALRAVGNIVTGDDIQTQVILNCSALPCL
LHLLSSPKESIRKEACWTVSNITAGNRAQIQAVIDANIFPVLEILQKAEFRTRKEAAWA
ITNATSGGTPEQIRYLVALGCIKPLCDLLTVMSKIVQVALNGLENILRLGEQESKQNG
IGINPYCALIEEAYGLDKIEFLQSHENQEIYQKAFDLIEHYFGVEEDDPSIVPQVDENQ
QQFIFQQQEAPMDGFQL

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 [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; importin alpha 6; karyopherin subunit alpha-5;

Gene ID [3841](#)

mRNA Refseq [NM_002269](#)

Protein Refseq [NP_002260](#)

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MIM	604545
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UniProt ID	O15131
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