

Recombinant Full Length Human KPNA4 Protein, C-Flag-tagged

Cat. No. KPNA4-2192HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human KPNA4 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
Description	The nuclear import of karyophilic proteins is directed by short amino acid sequences termed nuclear localization signals (NLSs). Karyopherins, or importins, are cytoplasmic proteins that recognize NLSs and dock NLS-containing proteins to the nuclear pore complex. The protein encoded by this gene shares the sequence similarity with Xenopus importin-alpha and Saccharomyces cerevisiae Srp1. This protein is found to interact with the NLSs of DNA helicase Q1 and SV40 T antigen.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	57.7 kDa
AA Sequence	MADNEKLDNQRLKNFKNKGRDLETMRRQRNEVVVELRKNKRDEHLLKRRNVPHE ICEDSDIDGDYRVQN TSLEAIVQNASSDNQGIQLSAVQAARKLLSSDRNPPIDDLIKS GILPILVHCLERDDNPSLQFEAAWALT NIASGTSEQTQAVVQSNAPLFLRLHSPH QNVCEQAVWALGNIIGDGPQCRDYVISLGVVKPLLSFISP SIPITFLRNVTWVMVNLC RHKDPPPPMETIQEILPALCVLIHHTDVNILDVTWALSYLTDAGNEQIQMV IDSGIVP HLVPLLSHQEVKVQTAALRAVGNIVTGTDEQTQVVLNCDALSHFPALLTHPKEKINKE

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AVWFL SNITAGNQQQVQAVIDANLVPMIIHLLDKGDFGTQKEAAWAISNLTISGRKD
QVAYLIQQNVIPPFENLL TVKDAQVQVQVLDGLSNILKMAEDEAETIGNLIEECGGLE
KIEQLQNHENEDIYKLAYEIIDQFFSSDDI DEDPSLVPEAIQGGTFGFNSSANVPTEG
FQF TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Full Length	Full L.

GENE INFORMATION

Gene Name	KPNA4 karyopherin subunit alpha 4 [Homo sapiens (human)]
Official Symbol	KPNA4
Synonyms	QIP1; SRP3; IPOA3
Gene ID	3840
mRNA Refseq	NM_002268.5

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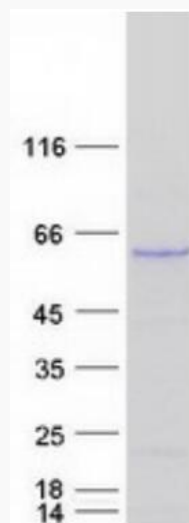
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Protein Refseq [NP_002259.1](#)

MIM [602970](#)

UniProt ID [O00629](#)



Coomassie blue staining of purified KPNA4 protein.

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