

Recombinant Human KPNA3

Cat. No. KPNA3-29810TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant fragment of Human KPNA3 with an N terminal proprietary tag; Predicted MW 36.63kDa.
Species	Human
Source	Wheat Germ
ProteinLength	100 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. Small molecules (up to 70 kD) can pass through the nuclear pore by nonselective diffusion while larger molecules are transported by an active process. The protein encoded by this gene belongs to the importin alpha family, and is involved in nuclear protein import.
Molecular Weight	36.630kDa inclusive of tags
Tissue specificity	Ubiquitous. Highest levels in heart and skeletal muscle.
Form	Liquid
Purity	Proprietary Purification
Storage buffer	pH: 8.00 Constituents: 0.3% Glutathione, 0.79% Tris HCl

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Storage	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.
Sequences of amino acids	VKDSQVVQVVL DGLKNILIMAGDEASTIAEIIIECGGLEKIEVLQQHENEDIYKLAFEIID QYFSGDDIDEDPCLIP EATQGGTYNFDPTANLQTKEFNF
Sequence Similarities	Belongs to the importin alpha family. Contains 10 ARM repeats. Contains 1 IBB domain.

GENE INFORMATION

Gene Name	KPNA3 karyopherin alpha 3 (importin alpha 4) [Homo sapiens]
Official Symbol	KPNA3
Synonyms	KPNA3; karyopherin alpha 3 (importin alpha 4); importin subunit alpha-3; hSRP1; IPOA4; SRP1gamma; SRP4;
Gene ID	3839
mRNA Refseq	NM_002267
Protein Refseq	NP_002258
MIM	601892
Uniprot ID	O00505
Chromosome Location	13q14.3
Pathway	TNF-alpha/NF-kB Signaling Pathway, organism-specific biosystem;

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Function

nuclear localization sequence binding; protein C-terminus binding; protein binding;
protein transporter activity;

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