

Recombinant Human KPNA5 Protein, His-tagged

Cat. No. KPNA5-2377H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human KPNA5 Protein (Met1-Ser351) with a N-His tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Met1-Ser351
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	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 43.2 kDa Accurate Molecular Mass: 43 kDa
Endotoxin	<1.0 EU per 1g (determined by the LAL method).

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

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

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Purity	> 97%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in PBS or others.

GENE INFORMATION

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