

## Recombinant Human KPNA6 Protein, His-tagged

Cat. No. KPNA6-2378H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human KPNA6 Protein (Met1-Thr410) with a N-His tag was expressed in E. coli.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	Met1-Thr410
<b>Description</b>	<p>Nucleocytoplasmic transport, a signal- and energy-dependent process, takes place through nuclear pore complexes embedded in the nuclear envelope. The import of proteins containing a nuclear localization signal (NLS) requires the NLS import receptor, a heterodimer of importin alpha and beta subunits also known as karyopherins. Importin alpha binds the NLS-containing cargo in the cytoplasm and importin beta docks the complex at the cytoplasmic side of the nuclear pore complex. In the presence of nucleoside triphosphates and the small GTP binding protein Ran, the complex moves into the nuclear pore complex and the importin subunits dissociate. Importin alpha enters the nucleoplasm with its passenger protein and importin beta remains at the pore. The protein encoded by this gene is a member of the importin alpha family.</p>
<b>Form</b>	Freeze-dried powder
<b>Molecular Mass</b>	Predicted Molecular Mass: 49.5 kDa Accurate Molecular Mass: 48 kDa

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

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

<b>Endotoxin</b>	<1.0 EU per 1g (determined by the LAL method).
<b>Purity</b>	> 90%
<b>Applications</b>	Positive Control; Immunogen; SDS-PAGE; WB.
<b>Stability</b>	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.
<b>Storage</b>	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
<b>Storage Buffer</b>	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
<b>Reconstitution</b>	Reconstitute in PBS or others.
<b>GENE INFORMATION</b>	
<b>Gene Name</b>	KPNA6 karyopherin alpha 6 (importin alpha 7) [ Homo sapiens (human) ]
<b>Official Symbol</b>	KPNA6
<b>Synonyms</b>	KPNA6; karyopherin alpha 6 (importin alpha 7); importin subunit alpha-7; FLJ11249; IPOA7; KPNA7; MGC17918; importin-alpha-S2; importin alpha 7 subunit; karyopherin subunit alpha-6;
<b>Gene ID</b>	23633
<b>mRNA Refseq</b>	NM_012316

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<b>Protein Refseq</b>	NP_036448
<b>MIM</b>	610563
<b>UniProt ID</b>	O60684

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