

Recombinant Full Length Human KPNA6 Protein, GST-tagged

Cat. No. KPNA6-5822HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human KPNA6 full-length ORF (NP_036448.1, 1 a.a. - 536 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	536 amino acids
Description	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. [provided by RefSeq
Molecular Mass	86.4 kDa
AA Sequence	METMASPGKDNRYRMKSYKNNALNPEEMRRRRREEEGIQLRKQKREQQLFKRRNVEL INEEAAMFDSLMLDSYVSSTTGESVITREMVEMLFSDSDLQLATTQKFRKLLSKEP

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SPPIDEVINTPRVVDRFVEFLKRNENCTLQFEAAWALTNIASGTSQQTKIVIEAGAVPI
 FIELNSDFEDVQEQAVALGNIAGDSSVCRDYVLNCSILNPLLTLTKSTRLTMTNRN
 AVWALSNLCRGKNPPPEFAKVSPCLPVLSRLLFSSSDSLLADACWALSYSLSDGPNE
 KIQAVIDSGVCRRLLVELLMHNDYKVASPALRAVGNIVTGDDIQTQVILNCSALPCLLHL
 LSSPKESIRKEACWTISNITAGNRAQIQAVIDANIFPVLIEILQKAEFRTRKEAAWAITN
 ATSGGTPEQIRYLVSLGCIKPLCDLLTVMDSKIVQVALNGLENILRLGEQEGKRSGSG
 VNPYCGLIEEAYGLDKIEFLQSHENQEIQKAFDLIEHYFGVEDDDSSLAPQVDETQQ
 QFIFQQPEAPMEGFQL

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

KPNA6 karyopherin alpha 6 (importin alpha 7) [Homo sapiens]

Official Symbol

KPNA6

Synonyms

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;

Gene ID

23633

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mRNA Refseq	NM_012316
Protein Refseq	NP_036448
MIM	610563
UniProt ID	O60684

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