

Recombinant Full Length Human KPNA4 Protein Protein, GST-tagged

Cat. No. KPNA4-272HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human KPNA4 full-length ORF (NP_002259.1, 1 a.a. - 521 a.a.) protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	1 a.a. - 521 a.a.
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.
Molecular Mass	84.3 kDa
AA Sequence	MADNEKLDNQ RLKNFKNKGR DLETMRRQRN EVVVELRKNK RDEHLLKRRN VPHEIDICEDS DIDGDYRVQN TSLEAIVQNA SSDNQGIQLS AVQAARKLLS SDRNPPIDDL IKSGILPILV HCLERDDNPS LQFEAAWALT NIASGTSEQT QAVVQSNAPV LFLRLLHSPH QNVCEQAVWA LGNIIGDGPQ CRDYVISLGV VKPLLSFISP SIPITFLRNV TWVMVNLCRH KDPPPPMETI QEILPALCVL IHHTDVNILV DTVWALSILT DAGNEQIQMV IDSGIVPHLV PLLSHQEVKV

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QTAALRAVGN IVTGTDEQTQ VVLNCDALSH FPALLTHPKE KINKEAVWFL
 SNITAGNQQQ VQAVIDANLV PMIIHLLDKG DFGTQKEAAW AISNLTISGR
 KDQVAYLIQQ NVIPPFCNLL TVKDAQVVQV VLDGLSNILK MAEDEAETIG
 NLIEECGGLE KIEQLQNHEN EDIYKLAYEI IDQFFSSDDI DEDPSLVPEA
 IQGGTFGFNS SANVPTEGFQ F

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

KPNA4 karyopherin subunit alpha 4 [Homo sapiens (human)]

Official Symbol

KPNA4

Synonyms

KPNA4; karyopherin subunit alpha 4; QIP1; SRP3; IPOA3

Gene ID

3840

mRNA Refseq

NM_002268

Protein Refseq

NP_002259

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MIM	602970
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UniProt ID	O00629
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