

Recombinant Human KPNA4 Protein, GST-tagged

Cat. No. KPNA4-29909TH **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	Wheat Germ
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	MADNEKLDNQRLKNFKNKGRDLETMRRQRNEVVVELRKNKRDEHLLKRRNVPHED ICEDSDIDGDYRVQNTSLEAIVQNASSDNQGIQLSAVQAARKLLSSDRNPPIDDLIKS GILPILVHCLERDDNPSLQFEAAWALTNIASGTSEQTQAVVQSNAPLFLRLHSPHQ NVCEQAVWALGNIIGDGPQCRDYVISLGVVKPLLSFISPSIPITFLRNVTWVMVNLCR HKDPPPPMETIQEILPALCVLIHHTDVNILDVTWALSYLTDAGNEQIQMVIDSGIVPH LVPLLSHQEVKVQTAALRAVGNI VTGTDEQTQVVLNCDALSHFPALLTHPKEKINKEA VWFLSNITAGNQQQVQAVIDANLVPMIHLDDKGDFTQKEAAWAISNLTISGRKDQV AYLIQQNVIPPCNLLTVKDAQVVQVVL DGLSNILKMAEDEAETIGNLIEECGGLEKIE

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

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

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

QLQNHENEDIYKLAYEIIDQFFSSDDIDEDPSLVPEAIQGGTFGFNSSANVPTEGFQF

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

Official Symbol

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

Synonyms

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

Gene ID

3840

mRNA Refseq

NM_002268

Protein Refseq

NP_002259

MIM

602970

UniProt ID

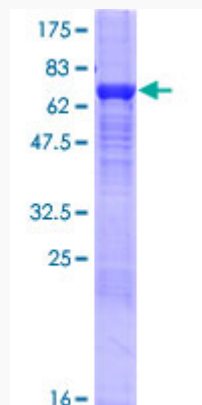
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**Quality Control
Testing**



12.5% SDS-PAGE Stained with Coomassie Blue.

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