

Recombinant Human KPNA4 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. KPNA4-5881H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	KPNA4 MS Standard C13 and N15-labeled recombinant protein (NP_002259) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
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	57.9 kDa
AA Sequence	MADNEKLDNQRLKNFKNKGRDLETMRRQRNEVVVELRKNKRDEHLLKRRNVPHED ICEDSDIDGDYRVQNTSLEAIVQNASSDNQGIQLSAVQAARKLLSSDRNPPIDDLIKS GILPILVHCLERDDNPSLQFEAAWALTNIASGTSEQTQAVVQSNVPLFLRLHSPHQ NVCEQAVWALGNIIGDGPQCRDYVISLGVVKPLLSFISPSIPITFLRNVTWVMVNLCR HKDPPPPMETIQEILPALCVLIHHTDVNILLVDTVWALSYLTDAGNEQIQMVIDSGIVPH LVPLLSHQEVKVQTAALRAVGNI VTGTDEQTQVVLNCDALSHFPALLTHPKEKINKEA VWFLSNITAGNQQQVQVAIDANLVPMIIHLLDKGDFGTQKEAAWAISNLTISGRKDQV

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AYLIQQNVIPPCNLLTVKDAQVVQVVDGLSNILKMAEDEAETIGNLIEECGGLEKIE
QLQNHENEDIYKLAYEIIDQFFSSDDIDEDPSLVPEAIQGGTFGFNSSANVPTEGFQF
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

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

Official Symbol KPNA4

Synonyms KPNA4; karyopherin alpha 4 (importin alpha 3); importin subunit alpha-4; IPOA3; MGC12217; MGC26703; QIP1; SRP3; importin alpha Q1; karyopherin subunit alpha-4; FLJ31113;

Gene ID 3840

mRNA Refseq NM_002268

Protein Refseq NP_002259

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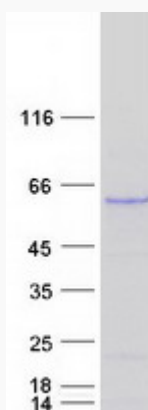
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MIM 602970

UniProt ID O00629

SDS-PAGE



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