

Recombinant Human KPNA4 Protein, His&GST-tagged

Cat. No. KPNA4-1719H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human KPNA4 Protein (Ala2-Phe521) with N-His&GST tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Ala2-Phe521
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.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 87.8 kDa Accurate Molecular Mass: 88 kDa
Purity	> 90%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.

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Stability	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.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in PBS or others.
GENE INFORMATION	
Gene Name	KPNA4 karyopherin alpha 4 (importin alpha 3) [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
MIM	602970
UniProt ID	O00629

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