

Recombinant Human KPNA5 protein, T7/His-tagged

Cat. No. KPNA5-86H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human KPNA5 cDNA (538aa, derived from BC047409) fused with T7-His-TEV cleavage site Tag (29aa) at N-terminal was expressed in E. coli.
Species	Human
Source	E.coli
Form	1.0 mg/ml, sterile-filtered, in 20 mM pH 8.0 Tris-HCl Buffer, with proprietary formulation of NaCl, KCl, EDTA, Sucrose, DTT.
AA Sequence	MASMTGGQQMGRGHHHHHHGNLYFQGGFEFDAMASPGKDNRYRMKSYKNKALNPQ EMRRRREEEGIQLRKQKREEQL FKRRNVYLPRNDESMLESPIQDPDISSTVPIPEEE VVTDMVQMIFSNADQQLTATQKFRKLLSKEPNPPIDQV IQKPGVVQRFVKFLERN ENCTLQFEAAWALTNIASGTFLHTKVVIETGAVPIFIKLLNSEHEDVQEQAVALGNL AGDNAECRDFVLNCEILPPLLELLTNSNRLTTTRNAVWALSNLRCGKNPPPNFSKVS PCLNVLSRLLFSSDPDVL ADVCWALSYLSDGPNDKIQAVIDSGVCRRRLVELLMHND YKVVSPALRAVGNIIVTGDDIQTQVILNCSALPCLLHL LSSPKESIRKEACWTVSNITA GNRAQIQAVIDANIFPVLIEILQKAEFRTRKEAAWAITNATSGGTPEQIRYLVA LGCIK PLCDLLTVMDSKIVQVALNGLNLRRLGEQESKQNGIGINPYCALIEEAYGLDKIEFLQ SHENQEIQKA FDLIEHYFGVEEDDPSIVPQVDENQQQFIFQQQEAPMDGFQL
Purity	>90% by SDS-PAGE
Applications	1. May be used for in vitro human KPNA5 mediated cellular protein cytoplasm/nuclei transportation regulation study by intracellularly delivery this protein with "ProFectin"

 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

reagent.2. May be used for KPNA5 protein-protein interaction assay.3. May be used as specific substrate protein for kinase, and ubiquitin (Sumo pathway) related enzyme functional screening assays.4. As antigen for specific antibody production.

Storage

Keep at -80centigrade for long term storage. Product is stable at 4 centigrade for at least 30 days.

GENE INFORMATION

Gene Name KPNA5 karyopherin alpha 5 (importin alpha 6) [Homo sapiens]

Official Symbol KPNA5

Synonyms KPNA5; karyopherin alpha 5 (importin alpha 6); importin subunit alpha-6; IPOA6; SRP6; importin alpha 6; karyopherin subunit alpha-5;

Gene ID 3841

mRNA Refseq NM_002269

Protein Refseq NP_002260

MIM 604545

UniProt ID O15131

Chromosome Location 6q22.2

Pathway Antiviral mechanism by IFN-stimulated genes, organism-specific biosystem; Cytokine Signaling in Immune system, organism-specific biosystem; ISG15 antiviral

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mechanism, organism-specific biosystem; Immune System, organism-specific biosystem; Interferon Signaling, organism-specific biosystem;

Function

binding; protein binding; protein transporter activity;

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