Recombinant Human Importin subunit alpha-7 (KPNA6)

Product Code	CSB-MP012488HU
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	O60684
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	>85% (SDS-PAGE)
Sequence	METMASPGKD NYRMKSYKNN ALNPEEMRRR REEEGIQLRK QKREQQLFKR RNVELINEEA AMFDSLLMDS YVSSTTGESV ITREMVEMLF SDDSDLQLAT TQKFRKLLSK EPSPPIDEVI NTPRVVDRFV EFLKRNENCT LQFEAAWALT NIASGTSQQT KIVIEAGAVP IFIELLNSDF EDVQEQAVWA LGNIAGDSSV CRDYVLNCSI LNPLLTLLTK STRLTMTRNA VWALSNLCRG KNPPPEFAKV SPCLPVLSRL LFSSDSDLLA DACWALSYLS DGPNEKIQAV IDSGVCRRLV ELLMHNDYKV ASPALRAVGN IVTGDDIQTQ VILNCSALPC LLHLLSSPKE SIRKEACWTI SNITAGNRAQ IQAVIDANIF PVLIEILQKA EFRTRKEAAW AITNATSGGT PEQIRYLVSL GCIKPLCDLL TVMDSKIVQV ALNGLENILR LGEQEGKRSG SGVNPYCGLI EEAYGLDKIE FLQSHENQEI YQKAFDLIEH YFGVEDDDSS LAPQVDETQQ QFIFQQPEAP MEGFQL
Source	Mammalian cell
Target Names	KPNA6
Protein Names	Recommended name: Importin subunit alpha-7 Alternative name(s): Karyopherin subunit alpha-6
Expression Region	1-536
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	Full length protein
Target Details	Nucleocytoplasmic transport, a signal- and energy-dependent process, takes place through nuclear pore complexes embedded in the nuclear envelope. The import of proteins containing a nuclear localization signal (NLS) requires the NLS import receptor, a heterodimer of importin alpha and beta subunits also known as karyopherins. Importin alpha binds the NLS-containing cargo in the cytoplasm and importin beta docks the complex at the cytoplasmic side of the nuclear pore complex. In the presence of nucleoside triphosphates and the small GTP binding protein Ran, the complex moves into the nuclear pore complex and the importin subunits dissociate. Importin alpha enters the nucleoplasm with its passenger protein and importin beta remains at the pore. This protein is a member of the importin alpha family.

Reconstitution	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL.We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.
Shelf Life	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.