



Recombinant Human Importin subunit alpha-3 (KPNA4)

Product Code	CSB-MP012486HU
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	O00629
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	≥85% (SDS-PAGE)
Sequence	ADNEKLDNQ RLKNFKNKGR DLETMRRQRN EVVVELRKNK RDEHLLKRRN VPHEDICEDS DIDGDYRVQN TSLEAIVQNA SSDNQQGIQLS AVQAARKLLS SDRNPPIDDL IKSGILPILV HCLERDDNPS LQFEAAWALT NIASGTSEQT QAVVQSNAPV LFLRLLHSPH QNVCEQAVWA LGNIIGDGPQ CRDYVISLGV VKPLLSFISP SIPITFLRNV TWVMVNLGRH KDPPPPMETI QEILPALCVL IHHTDVNILV DTVWALSULT DAGNEQIQMV IDSGIVPHLV PLLSHQEYKV QTAALRAVGN IVTGTDEQEQ VVLNCDALSH FPALLTHPKE KINKEAVWFL SNITAGNQQQ VQAVIDANLV PMIIHLLDKG DFGTQKEAAW AISNLTISGR KDQVAYLIQQ NVIPPFENLL TVKDAQVVQV VLDGLSNILK MAEDEAETIG NLIEECGGLE KIEQLQNHEN EDIYKLAYEI IDQFFSSDDI DEDPSLVPEA IQGGTFGFNS SANVPTEGFQ F
Source	Mammalian cell
Target Names	KPNA4
Protein Names	Recommended name: Importin subunit alpha-4 Alternative name(s): Importin alpha Q1 Short name= Qip1 Karyopherin subunit alpha-4
Expression Region	2-521
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 of Mature Protein
Target Details	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. This protein shares the sequence similarity with <i>Xenopus</i> importin-alpha and <i>Saccharomyces cerevisiae</i> Srp1. This protein is found to interact with the NLSs of DNA helicase Q1 and SV40 T antigen.
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.