Recombinant Human Importin subunit alpha-6 (KPNA5)

Product Code	CSB-YP012487HU
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	O15131
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	>85% (SDS-PAGE)
Sequence	MASPGKDNYR MKSYKNKALN PQEMRRRREE EGIQLRKQKR EEQLFKRRNV YLPRNDESML ESPIQDPDIS STVPIPEEEV VTTDMVQMIF SNNADQQLTA TQKFRKLLSK EPNPPIDQVI QKPGVVQRFV KFLERNENCT LQFEAAWALT NIASGTFLHT KVVIETGAVP IFIKLLNSEH EDVQEQAVWA LGNIAGDNAE CRDFVLNCEI LPPLLELLTN SNRLTTTRNA VWALSNLCRG KNPPPNFSKV SPCLNVLSRL LFSSDPDVLA DVCWALSYLS DGPNDKIQAV IDSGVCRRLV ELLMHNDYKV VSPALRAVGN IVTGDDIQTQ VILNCSALPC LLHLLSSPKE SIRKEACWTV SNITAGNRAQ IQAVIDANIF PVLIEILQKA EFRTRKEAAW AITNATSGGT PEQIRYLVAL GCIKPLCDLL TVMDSKIVQV ALNGLENILR LGEQESKQNG IGINPYCALI EEAYGLDKIE FLQSHENQEI YQKAFDLIEH YFGVEEDDPS IVPQVDENQQ QFIFQQQEAP MDGFQL
Source	Yeast
Target Names	KPNA5
Protein Names	Recommended name: Importin subunit alpha-6 Alternative name(s): Karyopherin subunit alpha-5
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	The transport of molecules between the nucleus and the cytoplasm in eukaryotic cells is mediated by the nuclear pore complex (NPC) which consists of 60-100 proteins and is probably 120 million daltons in molecular size. Small molecules (up to 70 kD) can pass through the nuclear pore by nonselective diffusion; larger molecules are transported by an active process. Most nuclear proteins contain short basic amino acid sequences known as nuclear localization signals (NLSs). KPNA5 protein belongs to the importin alpha protein family and is thought to be involved in NLS-dependent protein import into the nucleus.
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.