



Recombinant Mouse Importin subunit alpha-1 (Kpna1)

Product Code	CSB-EP720192MO
Abbreviation	Kpna1
Storage	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.
Uniprot No.	Q60960
Product Type	Recombinant Protein
Immunogen Species	Mus musculus (Mouse)
Purity	≥85% (SDS-PAGE)
Sequence	MSTPGKENFR LKSYKNKSLN PDEMRRRREE EGLQLRKQKR EEQLFKRRNV ATAEEETEEE VMSDGGFHEA QINNMEMAPG GVITSDMTDM IFSNSPEQQL SATQKFRKLL SKEPNPPIDE VINTPGVVAR FVEFLKRKEN CTLQFESAWV LTNIASGNSL QTRNVIQAGA VPIFIELLSS EFEDVQEAV WALGNIAGDS TMCRDYVLNC NILPPLLQLF SKQNRLTMTR NAVWALS NLC RGKSPPEFA KVSPCLNVLS WLLFVSDDV LADACWALSY LSDGPNDKI Q AVIDAGVCRR LVELLMHNDY KVVSPALRAV GNIVTGDDIQ TQVILNCSAL QSLHLLSSP KESIKKEACW TISNITAGNR AQIQTVIDAN MFPALISILQ TAEFRTRKEA AWAITNATSG GSAEQIKYLV ELGCIKPLCD LLTVMDAKIV QVALNGLNI LRLGEQEAKR NGSGINPYCA LIEEAYGLDK IEFQSHENQ EIYQKAFDLI EHYFGTEDED SSIAPQVDLS QQYIFQQCE APMEGFQL
Source	E.coli
Target Names	Kpna1
Protein Names	Recommended name: Importin subunit alpha-1 Alternative name(s): Importin alpha-S1 Karyopherin subunit alpha-1 Nucleoprotein interactor 1 Short name=NPI-1 RAG cohort protein 2 SRP1-beta
Expression Region	1-538
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	Recombination activating proteins RAG1 and RAG2 regulate and mediate V(D)J recombination, the process by which genes for immunoglobulins and T-cell receptors are generated. Several other ubiquitously expressed proteins are thought to be recruited in the recombination process. Among these are the genes affected in severe combined immune deficiency and genes involved in ds-DNA break repair. This protein interacts with RAG1 and may play a role in



V(D)J recombination. Two transcript variants, one protein-coding and the other not, have been found for this gene.

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.