

## 32-4065: Recombinant Human karyopherin Alpha 2

**Alternative Name** Karyopherin subunit alpha 2 (RAG cohort 1 importin alpha 1),RCH1,QIP2,IPOA1,SRP1 alpha,RAG cohort protein 1,importin alpha 1,importin subunit alpha-2,importin-alpha-P1,pendulin.

### Description

Source : E.coli. KPNA2 Human Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 553 amino acids (1-529) and having a molecular mass of 60.5kDa.KPNA2 is fused to a 24 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques. KPNA2 belongs to the karyopherin alpha family. KPNA2 has a vital part in the nuclear import of proteins with a conventional nuclear localization signal (NLS). In vitro, KPNA2 bound specifically and directly to substrates having a simple or bipartite NLS motif. KPNA2 stimulated docking of import substrates to the nuclear envelope and together with Ran reconstituted complete nuclear protein import.

### Product Info

<b>Amount :</b>	10 µg
<b>Purification :</b>	Greater than 90% as determined by SDS-PAGE.
<b>Content :</b>	The KPNA2 solution (1mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 1mM DTT and 20% glycerol.
<b>Storage condition :</b>	Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Avoid multiple freeze-thaw cycles.
<b>Amino Acid :</b>	MGSSHHHHH SSGLVPRGSH MGS HMSTNEN ANTPAARLHR FKNKGKDSTE MRRRRRIEVNV ELRKAKKDDQ MLKRRNVSSF PDDATSPLQE NRNNQGT VNW SVDDIVKGIN SSVNENQLQA TQAARKLLSR EKQPPIDNII RAGLIPKFVS FLGRTDCSPI QFESAWALTN IASGTSEQTK VVVDGGAIPA FISLLASPHA HISEQAVWAL GNIAGDGSVF RDLVIKYGAV DPLLALLAVP DMSSLACGYL RNLTWTLSNL CRNKNPAPPI DAVEQILPTL VRLHHDDPE VLADTCWAIS YLTDGPNERI GMVVKTGVVP QLVKLLGASE LPVTPALRA IGNIVTGTDE QTQVVIDAGA LAVFPSLLTN PKTNIQKEAT WTMSNITAGR QDQIQQVWNH GLVPFLVSVL SKADFKTQKE AVWAVTNYTS GGTVEQIVYL VHCIIIEPLM NLLTAKDTKI ILVILDAISN IFQAAENLGE TEKLSIMIEE CGGLDKIEAL QNHENESVYK ASLSLIEKYF SVEEEDQNV VPETTSEGYT FQVQDGAPGT FNF.

