9051 Mira Mesa Blvd, #910094
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KPNA2 Human

Karyopherin Alpha 2 Human Recombinant
RCP1187

Product Overview

Name	KPNA2 Human

Description

Karyopherin Alpha 2 Human Recombinant

Accession (Primary)	P52292

Synonyms

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.

Introduction

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.

Source

E.coli.

Physical Appearance

Sterile Filtered colorless solution.

Formulation

The KPNA2 solution (1mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 1mM DTT and 20% glycerol.

Stability

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.

Purity

Greater than 90% as determined by SDS-PAGE.

Amino acid sequence

MGSSHHHHHH SSGLVPRGSH MGSH MSTNEN ANTPAARLHR FKNKGKDSTE MRRRRIEVNV ELRKAKKDDQ MLKRRNVSSF PDDATSPLQE NRNNQGTVNW SVDDIVKGIN SSNVENQLQA TQAARKLLSR EKQPPIDNII RAGLIPKFVS FLGRTDCSPI QFESAWALTN IASGTSEQTK VVVDGGAIPA FISLLASPHA HISEQAVWAL GNIAGDGSVF RDLVIKYGAV DPLLALLAVP DMSSLACGYL RNLTWTLSNL CRNKNPAPPI DAVEQILPTL

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VRLLHHDDPE VLADTCWAIS YLTDGPNERI GMVVKTGVVP QLVKLLGASE LPIVTPALRA IGNIVTGTDE QTQVVIDAGA LAVFPSLLTN PKTNIQKEAT WTMSNITAGR QDQIQQVVNH GLVPFLVSVL SKADFKTQKE AVWAVTNYTS GGTVEQIVYL VHCGIIEPLM NLLTAKDTKI ILVILDAISN IFQAAENLGE TEKLSIMIEE CGGLDKIEAL QNHENESVYK ASLSLIEKYF SVEEEEDQNV VPETTSEGYT FQVQDGAPGT FNF.

Precautions

KPNA2 Human is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (P52292)