

Recombinant Human KPNA2 Protein (His Tag)

Catalog No. PKSH032670

Note: Centrifuge before opening to ensure complete recovery of vial contents.

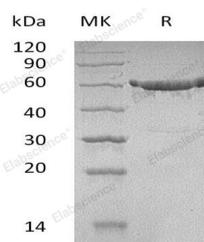
Description

Synonyms	Importin Subunit Alpha-2;Karyopherin Subunit Alpha-2;RAG Cohort Protein 1;SRP1-Alpha;KPNA2;RCH1;SRP1
Species	Human
Expression Host	E.coli
Sequence	Met 1-Phe529
Accession	P52292
Calculated Molecular Weight	60.0 kDa
Observed molecular weight	46-63 kDa
Tag	N-His
Bioactivity	Not validated for activity

Properties

Purity	> 95 % as determined by reducing SDS-PAGE.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method.
Storage	Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.
Shipping	This product is provided as liquid. It is shipped at frozen temperature with blue ice/gel packs. Upon receipt, store it immediately at < -20°C.
Formulation	Supplied as a 0.2 µm filtered solution of 20mM Tris-HCl, 1mM DTT, 20% Glycerol, pH 8.0.
Reconstitution	Not Applicable

Data



> 95 % as determined by reducing SDS-PAGE.

Background

Karyopherin Subunit α -2 (KPNA2) belongs to the importin alpha family. KPNA2 is widely expressed in many tissues and contains an N-terminal hydrophilic region, a hydrophobic central region composed of 10 repeats, and a short hydrophilic C-terminus. KPNA2 interacts with the NLSs of DNA helicase Q1 and SV40 T antigen and may be involved in the nuclear transport of proteins. KPNA2 also may play a role in V(D)J recombination. KPNA2 functions in nuclear protein

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importantly as an adapter protein for nuclear receptor KPNB1.