



Recombinant Protein Technical Manual

Recombinant Human KPNA2 Protein (His Tag)

RPES2911

Product Data:

Product SKU: RPES2911

Size: 10µg

Species: Human

Expression host: E. coli

Uniprot: P52292

Protein Information:

Molecular Mass: 60.0 kDa

AP Molecular Mass: 60 kDa

Tag: N-6His

Bio-activity:

Purity: > 90 % as determined by reducing SDS-PAGE.

Endotoxin: < 1.0 EU per µg 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 TrisHCl, 1mM DTT, 20% Glycerol, pH 8.0 .

Reconstitution: Please refer to the printed manual for detailed information.

Application:

Synonyms: Importin Subunit Alpha-2; Karyopherin Subunit Alpha-2; RAG Cohort Protein 1; SRP1-Alpha; KPNA2; RCH1; SRP1

Immunogen Information:

Sequence: Met 1-Phe529

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 importantly as an adapter protein for nuclear receptor KPNB1.