



Recombinant Human KPNA1 Protein Product Manual

1. Product Basic Information

Product No.: REP07305

Protein Name: Importin Alpha Importin-Alpha-S1 (KPNA1)

Aliases: RCH2; SRP1; IPOA5; NPI-SRP1-beta; importin alpha importin-alpha-S1; recombination activating gene cohort 2

UniProt ID: P52294

UniProt Link: <https://www.uniprot.org/uniprotkb/P52294/entry>

Species Source: Homo sapiens (Human)

Expression System: E.coli

Protein Length: Partial (8-538aa)

Molecular Weight: 63.5kDa

Protein Tag: N-terminal 6xHis-tagged

2. Amino Acid Sequence (8-538aa)

NFRLKSYKNKSLNPDEMRRRREEEGLQLRKQKREEQLFKRRNVATAEEETEEVVM
SDGGFHEAQISNMEMAPGGVITSDMIEMIFSKSPEQQLSATQKFRKLLSKEPNPPID
EVISTPGVVARFVEFLKRKENCTLQFESAWVLTNIASGNSLQTRIVIQAGAVPIFIELL
SSEFEDVQEQAVWALGNIAGDSTMCRDYVLDCNLPPLLQLFSKQNRMTMTRNAV
WALSNLCRGKSPPEFAKVSPCLNVLSWLLFVSDTDVLADACWALSYSYLSGPNDDKI
QAVIDAGVCRRLVELLMHNDYKVVSPALRAVGNIVTGDDIQTQVILNCSALQSLLHLL
SSPKESIKKEACWTISNITAGNRAQIQTVIDANIFPALISILQTAEFRTRKEAAWAITNA
TSGGSAEQIKYLVELGCIKPLCDLLTVMDSKIVQVALNGLNLRRLGEQEAKRNGTGI
NPYCALIEEAYGLDKIEFLQSHENQEYQKAFDLIEHYFGTEDEDSSIAPQVDLNQQQ
YIFQQCEAPMEGFQL

3. Storage Buffer

Liquid Delivery Form: Tris/PBS-based buffer with 5%-50% glycerol. Custom glycerol content is available upon customer request (please specify requirements when placing orders).

Lyophilized Powder Delivery Form: Pre-lyophilization buffer is Tris/PBS-based

4. Storage Conditions

Upon receipt, store the product at -20°C or -80°C. It is recommended to aliquot the protein for multiple uses to avoid repeated freeze-thaw cycles, which may cause protein denaturation and activity loss.

5. Product Description

This product is a recombinant Human KPNA1 partial protein (8-538aa) expressed in E.coli. The protein is with 6xHis tag at the N-terminus, which facilitates protein purification, detection and identification. KPNA1, also known as RCH2 or SRP1 or IPOA5, is suitable for related in vitro functional assays, protein interaction studies, antibody preparation and other biomedical research applications.

6. Notes

- Repeated freezing and thawing of the product is strictly prohibited to ensure protein stability and biological activity.
- For special buffer component requirements, please submit a note when purchasing.
- This product is only for scientific research use, not for clinical diagnosis, treatment or commercial production purposes.