

## Recombinant Human KPNA4 Protein, His&GST-tagged

Cat. No. KPNA4-1719H    Lot. No. (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
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| <b>Product Overview</b> | Recombinant Human KPNA4 Protein (Ala2-Phe521) with N-His&GST tag was expressed in E. coli.                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>ProteinLength</b>    | Ala2-Phe521                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Description</b>      | The nuclear import of karyophilic proteins is directed by short amino acid sequences termed nuclear localization signals (NLSs). Karyopherins, or importins, are cytoplasmic proteins that recognize NLSs and dock NLS-containing proteins to the nuclear pore complex. The protein encoded by this gene shares the sequence similarity with Xenopus importin-alpha and Saccharomyces cerevisiae Srp1. This protein is found to interact with the NLSs of DNA helicase Q1 and SV40 T antigen. |
| <b>Form</b>             | Freeze-dried powder                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Molecular Mass</b>   | Predicted Molecular Mass: 87.8 kDa<br>Accurate Molecular Mass: 88 kDa                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Purity</b>           | > 90%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Applications</b>     | Positive Control; Immunogen; SDS-PAGE; WB.                                                                                                                                                                                                                                                                                                                                                                                                                                                    |

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|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Stability</b>        | The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition. |
| <b>Storage</b>          | Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.                                                                                                                                                                                                                 |
| <b>Storage Buffer</b>   | PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.                                                                                                                                                                                                                                                                      |
| <b>Reconstitution</b>   | Reconstitute in PBS or others.                                                                                                                                                                                                                                                                                                               |
| <b>GENE INFORMATION</b> |                                                                                                                                                                                                                                                                                                                                              |
| <b>Gene Name</b>        | KPNA4 karyopherin alpha 4 (importin alpha 3) [ Homo sapiens (human) ]                                                                                                                                                                                                                                                                        |
| <b>Official Symbol</b>  | KPNA4                                                                                                                                                                                                                                                                                                                                        |
| <b>Synonyms</b>         | KPNA4; karyopherin alpha 4 (importin alpha 3); importin subunit alpha-4; IPOA3; MGC12217; MGC26703; QIP1; SRP3; importin alpha Q1; karyopherin subunit alpha-4; FLJ31113;                                                                                                                                                                    |
| <b>Gene ID</b>          | 3840                                                                                                                                                                                                                                                                                                                                         |
| <b>mRNA Refseq</b>      | NM_002268                                                                                                                                                                                                                                                                                                                                    |
| <b>Protein Refseq</b>   | NP_002259                                                                                                                                                                                                                                                                                                                                    |
| <b>MIM</b>              | 602970                                                                                                                                                                                                                                                                                                                                       |
| <b>UniProt ID</b>       | O00629                                                                                                                                                                                                                                                                                                                                       |

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