

## 32-8086: Recombinant Human Karyopherin Subunit $\alpha$ -2 /KPNA2/IPOA1 (N-6His)

**Gene :** KPNA2  
**Gene ID :** 3838  
**Uniprot ID :** P52292

### Description

Source: E.coli.  
MW :60.04kD.

Recombinant Human Importin alpha 2 is produced by our E.coli expression system and the target gene encoding Met1-Phe529 is expressed with a 6His tag at the N-terminus. Karyopherin Subunit  $\alpha$ -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.

### Product Info

**Amount :** 10  $\mu$ g / 50  $\mu$ g  
**Content :** Supplied as a 0.2  $\mu$ m filtered solution of 20mM TrisHCl,1mM DTT,20% Glycerol, pH 8.0 .  
**Storage condition :** Store at -20°C, stable for 6 months after receipt. Please minimize freeze-thaw cycles.  
**Amino Acid :** MGSSHHHHHSSGLVPRGSHMSTNENANTPAARLHRFKNGKGDSTEMRRRRRIEVNVELRKAKKDDQMLKRR  
NVSSFPDDATSPLQENRNNQGTVNWSVDDIVKGINSSNVENQLQATQAARKLLSREKQPPIDNIIRAGLIPKFVS  
FLGRDTCSPIQFESAWALTNIASGTSEQTKVVVDGGAIPAFISLLASPHAHISEQAVWALGNIAGDGSVFRDLVIK  
YGAVDPLLALLAVPDMSSLACGYLRNLTWTLNLCRNKNPAPPIDAVEQILPTLVRLHHDDPEVLADTCWAISY  
LTDGPNERIGMVVKTGVVPQLVKLLGASELPIVTPALRAIGNIVTGTDEQTQVVIDAGALAVFPSLLTNPKTNIQK  
EATWTMSNITAGRQDQIQVVNHGLVPFLVSVLSKADFKTQKEAVWAVTNYTSGGTVEQIVYLVHCGIIEPLMN  
LLTAKDKIILVILDAISNIFQAAENLGETEKL SIMIEECGLDKIEALQNHENESVYKASLSLIEKYFSVEEEDQNV  
VPETTSEGYTFVQVDGAPGTFNF

### Application Note

**Endotoxin :** Less than 0.1 ng/ $\mu$ g (1 IEU/ $\mu$ g) as determined by LAL test.