

32-8086: Recombinant Human Karyopherin Subunit α -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 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.

Product Info

Amount : 10 μ g / 50 μ g
Content : Supplied as a 0.2 μ 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 : MGSSHHHHHHSSGLVPRGSHMSTNENANTPAARLHRFKNGKGDSTEMRRRRRIEVNVELRKAKKDDQMLKRR
NVSSFPDDATSPLQENRNNQGTVNWSVDDIVKGINSSNVENQLQATQAARKLLSREKQPPIDNIIRAGLIPKFVS
FLGRDTCSPIQFESAWALTNIASGTSEQTKVVVDGGAIPAFISLLASPHAHISEQAVWALGNIAGDGSVFRDLVIK
YGAVDPLLALLAVPDMSSLACGYLRNLTWTLNLCRNKNPAPPIDAVEQILPTLVRLHHDDPEVLADTCWAISY
LTDGPNERIGMVVKTGVVPQLVKLLGASELPIVTPALRAIGNIVTGTDEQTQVVIDAGALAVFPSLLTNPKTNIQK
EATWTMSNITAGRQDQIQVVNHGLVPFLVSVLSKADFKTQKEAVWAVTNYTSGGTVEQIVYLVHCGIIEPLMN
LLTAKDKIILVILDAISNIFQAAENLGETEKL SIMIEECGLDKIEALQNHENESVYKASLSLIEKYFSVEEEDQNV
VPETTSEGYTFVQVDGAPGTFNF

Application Note

Endotoxin : Less than 0.1 ng/ μ g (1 IEU/ μ g) as determined by LAL test.