

KPNB1, 1-876aa, Human, His tag, E.coli

Cat.NO.: TP02760

3th Edition

Synonyms:Importin subunit beta-1, IMB1, Impnb, IPO1, IPOB, NTF97.

Description:NTF97, also known as KPNB1, is a member of the importin beta family. This protein is involved in nuclear protein import, either by associating itself with an adapter protein (for example, importin-alpha subunit which binds to nuclear localization signals (NLS) in cargo substrates), or by acting autonomously as a nuclear transport receptor (serves as NLS receptor, docking of the importin/substrate complex to the nuclear pore complex).

Form:Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 1mM DTT, 30% glycerol, 0.1M NaCl

Molecular Weight:99.6 kDa (899aa)

Sequences:

MGSSHHHHHSSGLVPRGSHMGSMELITILEKTVSPDRLELEAAQKFLERAAVENLPTFLVELSRVLANPGNSQVA
RVAAGLQIKNSLTSKDPDIKAQYQQRWLAIANARREVKNYVLQTLGTETYRPSSASQCVAGIACAEIPVNQWPELI
PQLVANVTNPNSTEHEMKESTLEAIGYICQDIDPEQLQDKSNEILTIIQGMRKEEPSNNVLAATNALLNSLEFTKANF
DKESERHFIMQVVCEATQCPDTRVRVAALQNLVKIMSLYYQYMETYMGPALFAITIEAMKSDIDEVALQGIEFWSNV
CDEEMDLAIEASEAAEQGRPPEHTSKFYAKGALQYLVPILTQTLTKQDENDDDDDDWNPCKAAGVCLMLLATCCED
DIVPHVLPFIKEHIKNPDWRYRDAAVMAFGCILEGPEPSQLKPLVIQAMPTLIELMKDPSVVVRDTAAWTVGRICELL
PEAAINDVYLAPLLQCLIEGLSAEPRVASNVCWAFSSLAEAAEYAADVADDQEEPATYCLSSSFELIVQKLETTDRP
DGHQNNLRSSAYESLMEIVKNSAKDCYPAVQKTTLVIMERLQQVLQMESHIQSTSDRIQFNDLQSLLCATLQNVLRK
VQHQDALQISDVVMASLLRMFQSTAGSGGVQEDALMAVSTLVEVLGGEFLKYMEAFKPFLGIGLKNYA EYQVCLAA
VGLVGDLCRALQSNIIPFCDEVMQLLLENLGNENVHRSVKPQILSVFGDIALAIGGEFKYLEVVLNLTQQASQAQVD
KSDYDMVDYLNELRESCLEAYTGIVQGLKGDQENVHPDVMLVQPRVEFILSFIDHIAGDEDHTDGVVACAAGLIGDL
CTAFGKDV LKLV EARPMIHELLTEGRRSKTNKAKTLATWATKELRKLKNQA

Purity:> 95% by HPLC

Concentration:0.25 mg/ml (determined by Bradford assay)

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

Storage:Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.