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32-4066: Recombinant Human karyopherin Beta 1

Alternative Name : Importin subunit beta-1,Importin-90,Karyopherin subunit beta-1,Nuclear factor p97,Pore targeting complex 97kDa subunit,PTAC97,KPNB1,NTF97.

Description

Source : E.coli. KPNB1 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 899 amino acids (1-876 a.a.) and having a molecular mass of 99.6kDa. KPNB1 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques. KPNB1 is a member of the importin beta family. The KPNB1 protein is engaged in nuclear protein import, either by coupling itself with an adapter protein (e.g., importin-alpha subunit which binds to nuclear localization signals (NLS) in cargo substrates), or by functioning autonomously as a nuclear transport receptor (acts as NLS receptor, docking of the importin/substrate complex to the nuclear pore complex).

Product Info

Amount :	10 µg
Purification :	Greater than 85% as determined by SDS-PAGE.
Content :	KPNB1 protein solution (0.25mg/ml) containing 20mM Tris-HCl buffer (pH 8.0), 1mM DTT, 30% glycerol and 0.1M NaCl.
Storage condition :	Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Avoid multiple freeze-thaw cycles.
Amino Acid :	MGSSHHHHHH SSGLVPRGSH MGSMELITIL EKTVSPDRLE LEAAQKFLER AAVENLPTFL VELSRVLANP GNSQVARVAA GLQIKNSLTS KDPDIKAQYQ QRWLAIDANA RREVKNYVLQ TLGTETYRPS SASQCVAGIA CAEIPVNQWP ELIPQLVANV TNPNSTEHMK ESTLEAIGYI CQDIDPEQLQ DKSNEILTAI IQGMRKEEPS NNVKLAATNA LLNSLEFTKA NFDKESERHF IMQVVCEATQ CPDTRVRVAA LQNLVKIMSL YYQYMETYMG PALFAITIEA MKSDIDEVAL QGIEFWSNVC DEEMDLAIEA SEAAEQGRPP EHTSKFYAKG ALQYLVPILT QTLTKQDEND DDDDWNPCKA AGVCLMLLAT CCEDDIVPHV LPFIKEHIKN PDWRYRDAAV MAFGCILEGP EPSQLKPLVI QAMPTLIELM KDPSVVVRDT AAWTVGRICE LLPEAAINDV YLAPLLQCLI EGLSAEPRVA SNVCWAFSSL AEAAYEAADV ADDQEEPATY CLSSSFELIV QKLLETTDRP DGHQNNLRSS AYESLMEIVK NSAKDCYPAV QKTTLVIMER LQQVLQMESH IQSTSDRIQF NDLQSLLCAT LQNVLRKVQH QDALQISDVV MASLLRMFQS TAGSGGVQED ALMAVSTLVE VLGGEFLKYM EAFKPFLGIG LKNYAEYQVC LAAVGLVGDL CRALQSNIIP FCDEVMQLLL ENLGNENVHR SVKPQILSVF GDIALAIGGE FKKYLEVVLN TLQQASQAQV DKSDYDMVDY LNELRESCLE AYTGIVQGLK GDQENVHPDV MLVQPRVEFI LSFIDHIAGD EDHTDGVVAC AAGLIGDLCT AFGKDVLKLV EARPMIHELL TEGRRSKTNK AKTLATWATK ELRKLKNQA.