

Product Data Sheet

Recombinant Human KPNB1 Protein

Catalog #	Source	Reactivity	Applications
CRP2762	E. coli	H	E, WB, SDS-PAGE, MS
Description	Recombinant Human KPNB1 Protein is produced by E.coli expression system and the target gene encoding Met1-Ala876 is expressed with a 6His tag at the N-terminus.		
Form	Liquid in a 0.2 µm filtered solution of 20mM Tris, 1mM DTT, 30% glycerol, 0.1M NaCl, pH8.0.		
Gene Symbol	KPNB1		
Alternative Names	NTF97; Importin subunit beta-1; Importin-90; Karyopherin subunit beta-1; Nuclear factor p97; Pore targeting complex 97 kDa subunit; PTAC97		
Entrez Gene	3837 (Human)		
SwissProt	Q14974 (Human)		
Purity	Greater than 95% as determined by reducing SDS-PAGE.		
Chemical Structure	MNHKVVHHHH HMELITILEK TVSPDRLELE AAQKFLERAA VENLPTFLVE LSRVLANPGN SQVARVAAGL QIKNSLTSKD PDIKAQYQQR WLAIKANARR EVKNYVLQTL GTETYRPSSA SQCVAGIACA EIPVNQWPPEL IPQLVANVTN PNSTEHEMKES TLEAIGYICQ DIDPEQLQDK SNEILTIIQ GMRKEEPSNN VKLAATNALL NSLEFTKANF DKESERHFIM QVVCEATQCP DTRVRVAALQ NLVKIMSLYY QYMETYMGPA LFAITIEAMK SDIDEVALQG IEFWSNVCDE EMDLAIEASE AAQGRPPEH TSKFYAKGAL QYLVPILTQT LTKQDENDDD DDWNPCKAAG VCLMLLATCC EDDIVPHVLP FIKEHIKNDP WRYRDAAVMA FGCILEGPEP SQLKPLVIQA MPTLIELMKD PSVVVRDTAA WTVGRICELL PEAAINDVYL APLLQCLIEG LSAEPRVASN VCWAFSSLAE AAYEAADVAD DQEEPATYCL SSSFELIVQK LLETTDRPDG HQNNLRSSAY ESLMEIVKNS AKDCYPAVQK TTLVIMERLQ QVLQMESHIQ STSDRIQFND LQSLLCATLQ NVLRKVQHQQD ALQISDVVMA SLLRMFQSTA GSGGVQEDAL MAVSTLVEVL GGEFLKYMEA		

Application key: E- ELISA, WB- Western blot, IH- Immunohistochemistry, IF- Immunofluorescence, FC- Flow cytometry, IC- Immunocytochemistry, IP- Immunoprecipitation, ChIP- Chromatin Immunoprecipitation, EMSA- Electrophoretic Mobility Shift Assay, BL- Blocking, SE- Sandwich ELISA, CBE- Cell-based ELISA, RNAi- RNA interference

Species reactivity key: H- Human, M- Mouse, R- Rat, B- Bovine, C- Chicken, D- Dog, G- Goat, Mk- Monkey, P- Pig, Rb- Rabbit, S- Sheep, Z- Zebrafish

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FKPFLGIGLK NYAEYQVCLA AVGLVGDLCR ALQSNIIIFC DEVMQLLEN LGNENVHRSV
KPQILSVFGD IALAIGGEFK KYLEVVLNTL QQASQAQVDK SDYDMVDYLN ELRESCLEAY
TGIVQGLKGD QENVHPDVML VQPRVEFILS FIDHIAGDED HTDGVVACAA GLIGDLCTAF
GKDVLKLVEA RPMIHELLTE GRRSKTNKAK TLATWATKEL RKLKNQA

Quality Control

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

Directions for Use

Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 μg/ml. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

Storage/Stability

Store it at -20°C to -80°C for one year. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

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