

Recombinant Human KPNB1 protein, GST-tagged

Cat. No. KPNB1-6745H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human KPNB1 protein(408-605 aa), fused with N-terminal GST tag, was expressed in E.coli.
Species	Human
Source	E.coli
ProteinLength	408-605 aa
Form	The purified protein was lyophilized from sterile phosphate-buffered saline (PBS: 58 mM Na ₂ HPO ₄ , 17 mM NaH ₂ PO ₄ , 68 mM NaCl, pH 8.0). Prior to lyophilization, 5% (w/v) trehalose and 5% (w/v) mannitol were incorporated as cryoprotective excipients. The protein was eluted with a buffer containing 100 mM reduced glutathione (GSH).
AASequence	QAMPTLIELMKDPSVVVRDTAAWTVGRICELLPEAAINDVYLAPLLQCLIEGLSAEPR VASNVCWAFSSLAEEAAYEAADVADDQEEPATYCLSSSFELIVQKLLETTDRPDGHQ NNLRSSAYESLMEIVKNSAKDCYPVQKTTLVIMERLQQVLQMESHIQSTSDRIQFN DLQSLLCATLQNVLRKVQHQDALQISD
Purity	85%, by SDS-PAGE with Coomassie Brilliant Blue staining.
Storage	Store at 2-8°C for 1-2 weeks. Aliquot and store at -20°C to -80°C for up to 3 months, reconstitution with sterile water and addition of an equal volume of glycerol. Avoid repeat freeze-thaw cycles.

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Reconstitution

Dissolve the product in 200 µl sterile water to achieve a working concentration of 0.25 g/µl. If experimental compatibility allows, mix the aqueous solution with an equal volume of glycerol (1:1 ratio) after initial reconstitution.

GENE INFORMATION

Gene Name KPNB1 karyopherin (importin) beta 1 [Homo sapiens]

Official Symbol KPNB1

Synonyms KPNB1; karyopherin (importin) beta 1; importin subunit beta-1; IMB1; Impnb; importin 1; IPO1; IPOB; MGC2155; MGC2156; MGC2157; NTF97; PTAC97; importin 90; importin-90; nuclear factor p97; importin beta-1 subunit; karyopherin subunit beta-1; pore targeting complex 97 kDa subunit;

Gene ID 3837

mRNA Refseq NM_002265

Protein Refseq NP_002256

MIM 602738

UniProt ID Q14974

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SDS-PAGE



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