



# Recombinant Human KPNB1 Protein Product Manual

## 1. Product Basic Information

**Product No.:** REP07307

**Protein Name:** Importin Importin 90 (KPNB1)

**Aliases:** IMB1; IPO1; IPOB; Impnb; NTF97; PTAC97; importin importin 90; nuclear factor p97; importin beta-1 subunit

**UniProt ID:** Q14974

**UniProt Link:** <https://www.uniprot.org/uniprotkb/Q14974/entry>

**Species Source:** Homo sapiens (Human)

**Expression System:** E.coli

**Protein Length:** Full Length (1-876aa)

**Molecular Weight:** 104.1

**Protein Tag:** C-terminal 6xHis-tagged

## 2. Amino Acid Sequence (1-876aa)

MELITILEKTVPDRLELEAAQKFLERA AVENLPTFLVELSRVLANPGNSQVARVAAG  
LQIKNSLTSKDPDIKAQYQQRWLAI DANARREVKNYVLQTLGTETYRPSSASQCVA  
GIACAEIPVNQWP ELIPQLVANVTNP NSTEHMKESTLEAIGYICQDIDPEQLQDKSNE  
ILT AIIQGM RKEEPSNNVKLAATN ALLNSLEFTKANFDKESERHFIMQVVCEATQCPD  
TRVRVAALQNLVKIMSLYYQYMETYMG PALFAITIEAMKSDIDEVALQGIEFWSNVC  
DEEMDLAIEASEAAEQGRPPEHTSKFYAKGALQYLVPI LTQTLTKQDENDDDDDWN  
PCKAAGVCLMLLATCCEDDIVPHVLPFIKEHIKNPDWRYRDAAVMAFGCILEGPEPS  
QLKPLVIQAMPTLIELMKDPSVVVRDTAAWTVGRICELLPEAAINDVYLAPLLQCLIEG  
LSAEPRVASNVCWAFSSLAEAA YEADVADDQEEPATYCLSSSFELIVQKLETTDR  
PDGHQNNLRSSAYESLMEIVKNSAKDCYP AVQKTTLVIMERLQQVLQMESHQSTS  
DRIQFNDLQSLLCATLQNVLRKVQH QDALQISDVVMASLLRMFQSTAGSGGVQEDA  
LMAVSTLVEVLGG EFLKYMEAFKPFLGIGLKNYAEYQVCLAAVGLVGDLCRALQSNII  
PFCDEVMQLLLL ENLGNENVHRSVKPQILSVFGDIALAIGGEFKKYLEVVLNTLQQAS  
QAQVDKSDYDMVDYLNELRESCLEAYTGIVQGLKGDQENVHPDVMLVQPRVEFILS  
FIDHIAGDEDHTDGVVACAAGLIGDLCTAFGKDV LKLV EARP MIHELLTEGRRSKTN  
KAKTLATWATKELRKLKNQA



### 3. Storage Buffer

**Liquid Delivery Form:** Tris/PBS-based buffer with 5%-50% glycerol. Custom glycerol content is available upon customer request (please specify requirements when placing orders).

**Lyophilized Powder Delivery Form:** Pre-lyophilization buffer is Tris/PBS-based buffer containing 6% Trehalose.

### 4. Storage Conditions

Upon receipt, store the product at -20°C or -80°C. It is recommended to aliquot the protein for multiple uses to avoid repeated freeze-thaw cycles, which may cause protein denaturation and activity loss.

### 5. Product Description

This product is a recombinant Human KPNB1 full length protein (1-876aa) expressed in E.coli. The protein is with 6xHis tag at the C-terminus, which facilitates protein purification, detection and identification. KPNB1, also known as IMB1 or IPO1 or IPOB, is suitable for related in vitro functional assays, protein interaction studies, antibody preparation and other biomedical research applications.

### 6. Notes

- Repeated freezing and thawing of the product is strictly prohibited to ensure protein stability and biological activity.
- For special buffer component requirements, please submit a note when purchasing.
- This product is only for scientific research use, not for clinical diagnosis, treatment or commercial production purposes.