

Product datasheet for AR50141PU-S

NTF97 (1-876, His-tag) Human Protein

Product data:

Product Type: Recombinant Proteins

Description: NTF97 (1-876, His-tag) human recombinant protein, 50 µg

Species: Human **Expression Host:** E. coli

Expression cDNA Clone

MGSSHHHHHH SSGLVPRGSH MGSMELITIL EKTVSPDRLE LEAAQKFLER AAVENLPTFL or AA Sequence: 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

Tag: His-tag Predicted MW: 99.6 kDa Concentration: lot specific

Purity: >85% by SDS - PAGE

Buffer: Presentation State: Purified

State: Liquid purified protein

Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 1 mM DTT, 30% glycerol, 0.1M NaCl

Preparation: Liquid purified protein

Protein Description: Recombinant human KPNB1 protein, fused to His-tag at N-terminus, was expressed in E.coli

and purified by using conventional chromatography techniques.



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Storage: Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer.

Avoid repeated freezing and thawing.

Stability: Shelf life: one year from despatch.

RefSeq: NP 001263382

Locus ID: 3837

UniProt ID: <u>Q14974</u>, <u>B7Z752</u>

Cytogenetics: 17q21.32

Synonyms: IMB1; Impnb; IPO1; IPOB; NTF97

Summary: Nucleocytoplasmic transport, a signal- and energy-dependent process, takes place through

nuclear pore complexes embedded in the nuclear envelope. The import of proteins

containing a nuclear localization signal (NLS) requires the NLS import receptor, a heterodimer of importin alpha and beta subunits also known as karyopherins. Importin alpha binds the

NLS-containing cargo in the cytoplasm and importin beta docks the complex at the

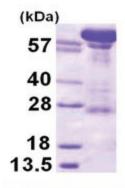
cytoplasmic side of the nuclear pore complex. In the presence of nucleoside triphosphates and the small GTP binding protein Ran, the complex moves into the nuclear pore complex and the importin subunits dissociate. Importin alpha enters the nucleoplasm with its

passenger protein and importin beta remains at the pore. Interactions between importin beta and the FG repeats of nucleoporins are essential in translocation through the pore complex. The protein encoded by this gene is a member of the importin beta family. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Feb

2013]

Protein Families: Druggable Genome, Stem cell - Pluripotency

Product images:



15% SDS-PAGE (3ug)