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Datasheet for ABIN2727677

KPNB1 Protein (DYKDDDDK Tag)

1 Image

Overview

Quantity:	20 µg
Target:	KPNB1
Origin:	Human
Source:	Insect cells (Sf9)
Protein Type:	Recombinant
Purification tag / Conjugate:	This KPNB1 protein is labelled with DYKDDDDK Tag.
Application:	Antibody Production (AbP), Standard (STD)

Product Details

- Characteristics:
- Recombinant human NTF97 (full length, C-term DDK tag) protein expressed in Sf9 cells.
 - Produced with end-sequenced ORF clone

Purity: > 80 % as determined by SDS-PAGE and Coomassie blue staining

Target Details

Target:	KPNB1
Alternative Name:	Ntf97 (KPNB1 Products)
Background:	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

Target Details

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.

Molecular Weight: 97 kDa

NCBI Accession: [NP_002256](#)

Pathways: [Protein targeting to Nucleus](#)

Application Details

Application Notes: Recombinant human proteins can be used for:
Native antigens for optimized antibody production
Positive controls in ELISA and other antibody assays

Comment: The tag is located at the C-terminal.

Restrictions: For Research Use only

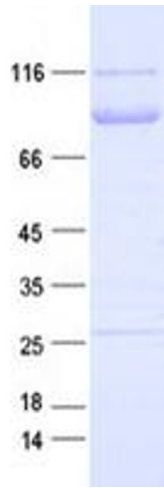
Handling

Concentration: 50 µg/mL

Buffer: 50 mM Tris-HCl, pH 8.0, 100 mM glycine, 10 % glycerol.

Storage: -80 °C

Storage Comment: Store at -80°C. Thaw on ice, aliquot to individual single-use tubes, and then re-freeze immediately. Only 2-3 freeze thaw cycles are recommended.



Western Blotting

Image 1. Validation with Western Blot