

Product datasheet for **SC213423**

KPNB1 (NM_002265) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	KPNB1 (NM_002265) Human 3' UTR Clone
Vector:	pMirTarget (PS100062)
Symbol:	KPNB1
Synonyms:	IMB1; Impnb; IPO1; IPOB; NTF97
ACCN:	NM_002265
Insert Size:	2000 bp



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Insert Sequence: >SC213423 3'UTR clone of NM_002265
 The sequence shown below is from the reference sequence of NM_002265. The complete sequence of this clone may contain minor differences, such as SNPs.
 Blue=Stop Codon Red=Cloning site

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GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAGCGATCGCC
GAACTGAGGAAACTGAAGAACCAAGCTTGATCTGTTACCATTGGGATGATAACCTGAGGACCCCACTG
GAAATCTCCCATCTTTTAAAAACCTGGAAGTGAGGAGTGTGCACGGATGCTGAATGTTTGGGAATGAG
AGGATGAGTGAGTGAGGCTTAAAAACACCACATTGAAAATCCTGCCACAGCAGCAGCCGAGCCGCC
AACAGCAGCGCTGTTAGTGAGCTAAGTAAGCACTGACTTCGTAGAAAACCATAACATCGGCCATCTTGG
AAAAGAGAAAAACAATGGAGTTACTTATTTAAAAAAAAGAAAGAAAGTTATCTCTTCCAGGAGAGGC
TAGAAGTAGCTTTTCTGTCTTTTGGCCAGTGCCGAGTGGAAATGCCTGGTTTGGGGGAGGAGGAGGACT
GGGTTCAGCTGTGGTGTCTTTGTTGTAAGGAGCAGCCTGGCCTTTGCTACTGAGGAGAAAGATGGAGCCT
GGGTCTCAAGCCACCTTCGCTGTACCTTTGCCACATGGTACTGTATGCTTGCCAGCTAGAAGGAGGGT
CAGGGATTTTTACAGTCTGAGAATGAGTGTGTGTGAGTGAAGCGGTATCCACATTCTCAACTTCAAGT
CATTGCAGTTTCTTTTCCAGAAAAACAAGGGTTAGATGTTGCATTTTCAAAAATAACCGAAGTTTT
GTTTACTGATGCAGCACAGAGATGTAACAAAAACAAAAACAAAAACAAAAACAAAAACAAAAACAAAA
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TAAAATAACCATTTGAAACTGCTTGGCCTTCTGTTCTTTTATTTGATTGACTACAATGCGGTATTGGT
CTCTTGCTGCACTTCAAAGCAACCAACAAAAACAAAAACAAAAAAGTGTGTGTGTGAATACACA
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TTCTCAAACCTCCTCGTTTATATCCTCCCTTCCATGTCCAAGCCTTCCATTCTAAGTGGGATTGGCTCA
GTTTTGCCATCCATATGGCAGCATCTCTAATAGCTCTTGTACAGGGTATCAGATATTGTGCCTTTTGG
TGCCAGGTTCAAAGTCAAGTGCCGATCTATGAACCAAGTGTACAAAAAATAAATCCAGGTATTGTA
ACGCGTAAGCGGCCGCGCATCTAGATTCAAGAAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTCGATCCACCGCCGCTTCTATGAAAGG
  
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Restriction Sites: SgfI-MluI

OTI Disclaimer: Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences, e.g., single nucleotide polymorphisms (SNPs).

Components: The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.

RefSeq: [NM_002265.6](#)

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]

Locus ID:

3837

MW:

75.5