

Product datasheet for **SC203750**

KPNA2 (NM_002266) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	KPNA2 (NM_002266) Human 3' UTR Clone
Vector:	pMirTarget (PS100062)
Symbol:	KPNA2
Synonyms:	IPOA1; QIP2; RCH1; SRP1-alpha; SRP1alpha
ACCN:	NM_002266
Insert Size:	288 bp
Insert Sequence:	>SC203750 3'UTR clone of NM_002266 The sequence shown below is from the reference sequence of NM_002266. The complete sequence of this clone may contain minor differences, such as SNPs. Blue =Stop Codon Red =Cloning site GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG TAACAATTGGCAGAGCTCAGAATTCA ACGATCGCC GATGGGGCTCCTGGACCTTAACTTT TAG ATCATGTAGCTGAGACATAAATTTGTTGTGTACTACGTT TGGTATTTGTCTTATTGTTTCTACTAAGAAGCTTTTCTAAATGTGGTTTGTACTGTAGCACTTT TTACACTGAAACTATACTTGAACAGTTCCAAGTACATACATACTGTATGAAGCTTGCTCTGACTA GGTTTCTAATTTCTATGTGAATTTCTATCTTGACGATCCTGTAAATAAACATTCAAGTCCACCCTT TTCTTGACTTCA ACGCGT AAGCGGCCGCGGCATCTAGATTGAAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA CGAGATTCGATTCCACCGCCCTTCTATGAAAGG
Restriction Sites:	Sgfl-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:	<u>NM_002266.4</u>



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Summary:

The import of proteins into the nucleus is a process that involves at least 2 steps. The first is an energy-independent docking of the protein to the nuclear envelope and the second is an energy-dependent translocation through the nuclear pore complex. Imported proteins require a nuclear localization sequence (NLS) which generally consists of a short region of basic amino acids or 2 such regions spaced about 10 amino acids apart. Proteins involved in the first step of nuclear import have been identified in different systems. These include the Xenopus protein importin and its yeast homolog, SRP1 (a suppressor of certain temperature-sensitive mutations of RNA polymerase I in *Saccharomyces cerevisiae*), which bind to the NLS. KPNA2 protein interacts with the NLSs of DNA helicase Q1 and SV40 T antigen and may be involved in the nuclear transport of proteins. KPNA2 also may play a role in V(D)J recombination. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Feb 2016]

Locus ID: 3838

MW: 11.2