

Product datasheet for **SC127533**

KPNA4 (NM_002268) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	KPNA4 (NM_002268) Human Untagged Clone
Tag:	Tag Free
Symbol:	KPNA4
Synonyms:	IPOA3; QIP1; SRP3
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene ORF within SC127533 sequence for NM_002268 edited (data generated by NextGen Sequencing)

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ATGGCGGACAACGAGAACTGGACAACCAACGGCTCAAGAATTTCAAGAACAAAGGCCGC
GACTTGGAGACTATGAGAAGACAACGAAATGAAGTTGTAGTTGAATTAAGGAAGAATAAA
AGAGATGAACATCTCTTAAAGAGAAGGAATGTACCACATGAAGATATCTGTGAAGACTCT
GATATAGATGGTGATTATAGAGTGCAAAATACCTCTCTAGAAGCTATTGTTCAAAATGCT
TCAAGTGATAACCAAGGAATTCATTAAGTGCAGTTCAAGCTGCTAGGAAGCTTTTGTCC
AGTGATCGAAATCCACCAATTGATGACTTAATAAAATCTGGAATATTGCCCATTTTAGTC
CATTGTCTTGAAGAGATGACAATCCTTCTTTACAGTTTGAAGCTGCATGGGCTTTGACA
AACATTGCATCTGGAACTTCTGAACAACTCAAGCAGTAGTTCAGTCCAATGCTGTGCCA
CTTTTCTGAGGCTTCTCCATTCACCCATCAGAATGTCTGTGAGCAAGCAGTGTGGCA
TTGGGAAATATCATAGGTGATGGGCCCCAGTGTAGAGATTATGTCATAAGTCTTGGAGTT
GTGAAACCTTTACTTTCTTTCATAAGTCCATCTATTCTATAACATTCTTAAGAAATGTT
ACTTGGGTTATGGTCAACTTATGTGCGCCAAAAGACCCACCACCAATGGAAACCATT
CAGGAGATTTCTCCAGCCCTTTGTGTTTTAATTCATCACACAGATGTAATATACTGGTA
GACACAGTCTGGGCCCTCTTACCTTACTGATGCTGGCAATGAACAAATACAGATGGTA
ATAGACTCTGGAATAGTTCTCATTGTTCTCTGCTCAGCCACCAGGAAGTTAAAGTT
CAGACTGCTGCACTTAGAGCTGTGGCAACATTGTTACTGGAAGTATGAGCAACACAA
GTAGTTTTGAACTGTGATGCTCTTTCACACTTCCCAGCACTCCTGACACATCCCAAAGAG
AAAATTAATAAAGAAGCAGTGTGGTTCCCTCCAAATCACTGCAGGAAATCAGCAGCAG
GTACAGGCAGTAATTGATGCCAATCTTGTACCAATGATAATACACCTTTTGGATAAGGGG
GATTTTGGCACTCAAAAAGAAGCTGCTTGGGCCATAAGTAACTTAACAATTAGTGAAGG
AAAGTCAAGTGGCTTACCTTATCCAACAAAATGTTATCCCACCTTTTGGCAACTGCTG
ACTGTAAAAGATGCACAAGTTGTGCAAGTAGTACTCGATGGACTAAGTAATATATTA
ATGGCTGAAGATGAGGCAGAAACCATAGCAATCTTATAGAAGAATGTGGAGGGCTGGAG
AAAATTGAACAACTTCAAATCATGAAAATGAAGACATCTACAAATTGGCCTATGAGATC
ATTGATCAGTTCTTCTTCCAGATGATATTGATGAAGACCCTAGCCTTGTCCAGAGGCA
ATTCAAGCGGAACATTTGGTTTCAATTCATCTGCCAATGTACCAACAGAAGGGTTCCAG
TTTTAG
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Clone variation with respect to NM_002268.4

5' Read Nucleotide Sequence:

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>OriGene 5' read for NM_002268 unedited
GTAATACGACTCACTATAGGGCGGCCGGAATTCGGCACGAGGCCGGCCCGCCATGGCG
GACAACGAGAACTGGACAACCAACGGCTCAAGAATTTCAAGAACAAAGGCCGCGACTTG
GAGACTATGAGAAGACAACGAAATGAAGTTGTAGTTGAATTAAGGAAGAATAAAGAGAT
GAACATCTCTTAAAGAGAAGGAATGTACCACATGAAGATATCTGTGAAGACTCTGATATA
GATGGTGATTATAGAGTGCAAAATACCTCTCTAGAAGCTATTGTTCAAAATGCTTCAAGT
GATAACCAAGGAATTCATTAAGTGCAGTTCAAGCTGCTAGGAAGCTTTTGTCCAGTGAT
CGAAATCCACCAATTGATGACTTAATAAAATCTGGAATATTGCCCATTTTAGTCCATTGT
CTTGAAAGAGATGACAATCCTTCTTTACAGTTTGAAGCTGCATGGGCTTTGACAAACATT
GCATCTGGAACTTCTGAACAACTCAAGCAGTAGTTCAGTCCAATGCTGTGCCACTTTTC
CTGAGGCTTCTCCATTCACCCATCAGAATGTCTGTGAGCAAGCAGTGTGGGCATTGGGA
AATATCATAGGTGATGGGCCCCAGTGTAGAGATTATGTCATAAGTCTTGGAGTTGTGAAA
CCTTTACTNCTTTCATAAGTCCATCTATTCTATAACATTCTTAAGAATGTTACTTGGG
TTATGGGTCACCTATGTGCGCCAAAAGACCCACCACCAATGGGAACCATTCANGAGAT
TCTTNCACCTTNTGTGTTAATNCATCACACAGATGTAATATACTGGTAGACACAGTC
TGGGCCCTCTCTTNACTTACTGATGCTGGCATGAACAATACAGATGGTATAGACC
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Gene Summary:

The nuclear import of karyophilic proteins is directed by short amino acid sequences termed nuclear localization signals (NLSs). Karyopherins, or importins, are cytoplasmic proteins that recognize NLSs and dock NLS-containing proteins to the nuclear pore complex. The protein encoded by this gene shares the sequence similarity with *Xenopus* importin-alpha and *Saccharomyces cerevisiae* Srp1. This protein is found to interact with the NLSs of DNA helicase Q1 and SV40 T antigen. [provided by RefSeq, Jul 2008]