

Product datasheet for **SC323801**

KPNA6 (NM_012316) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: KPNA6 (NM_012316) Human Untagged Clone
Tag: Tag Free
Symbol: KPNA6
Synonyms: IPOA7
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC (PS100020)
E. coli Selection: Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for NM_012316.4
GAAAGCTGCCGCTGAAGCTGCCGCGTTGCCTCCGCCCAAGAGTGAGCGAGCGGACCC
GCGATGGAGACCATGGCGAGCCCAGGAAAGACAATTATCGAATGAAGAGCTATAAGAAC
AATGCTCTAAACCCTGAAGAAATGAGACGAAGAAGAGAGGAAGAGGGCATTTCAGCTCCGG
AAGCAGAAGCGAGAGCAACAACCTTTTTAAACGGAGAAATGTGGAGCTGATTAATGAAGAA
GCTGCCATGTTTCGATAGTCTTCTCATGGACTCTTATGTGAGCTCTACCACTGGGAGAGT
GTGATCACAAGAGAGATGGTGGAGATGCTCTTTTCTGATGATTCTGACCTGCAGTTAGCA
ACCACACAGAAATCCGGAAACTGCTCTCAAAGAGCCTAGTCTCCAATAGATGAAGTT
ATCAACACTCCAAGAGTGGTGGATCGGTTCTGGAGTTTCTGAAGAGGAATGAGAATTGT
ACATTACAGTTTGAAGCTGCCTGGGCTCTAACGAATATTGCCTCTGGAACCTCTCAGCAG
ACCAAAATTTGTCATTGAAGCAGGGGCTGTCCCCATTTTTATAGAGCTGCTTAATTCAGAC
TTTGAGGATGTTTCAGGAACAGGCAGTCTGGGCACTGGGAAACATAGCTGGAGATAGCTCT
GTTTGCCGAGATTACGTCTTGAACCTGTTCCATCCTTAATCCTTTGTTAACTCCTTACC
AAGTCCACACGACTGACGATGACACGGAATGCAGTCTGGGCCCTGTCAAATCTCTGCCGA
GGGAAAAACCCACCCAGAGTTTGCAAAGGTCTCTCCTTGTGTTGCTGTACTGTCTCGC
CTACTCTCAGCAGGACTCGGACTTGTGGCAGATGCTTGTGGGCCCTTTCTTATCTG
TCTGATGGCCCAATGAGAAGATCCAGGCAGTCATAGACTCCGGAGTCTGCCGGAGATTG
GTAGAGCTGCTGATGCACAATGATTACAAAGTGGCTTCTCCTGCCCTGAGAGCCGTGGGT
AACATCGTCACTGGGGATGACATCCAGACCCAGGTCATTCTTAACTGTTTCAGCCCTACCT
TGCCCTTCTCACTTGTGAGCAGTCCCAAGGAGTCAATCCGGAAGGAAGCTTGTGACT
ATTTCAAATATTACTGCTGGCAACAGGGCTCAAATACAGGCTGTTATAGATGCAAATATC
TTCCCTGTGTTGATCGAAATCCTTCAGAAAGCAGAGTTTTCGTACAAGAAAGAGGCAGCC
TGGGCCATCACCAATGCCACATCAGGAGGAACCCCTGAGCAGATCAGGTACCTGGTCTCA
CTGGGCTGCATCAAACCCTATGTGACTTGTGACTGTAATGGATTTCGAAGATTGTGCAA
GTGGCCCTCAATGGACTGGAGAACATCCTGCGGCTTGGAGAGCAAGAGGGCAAGCGCAGT
GGCTCAGGGTCAATCCTTATTGTGCCTCATAGAGGAAGCCTATGGCTTGATAAAATT
GAGTTTCTCAGAGCCACGAGAACCAGGAGATCTACCAGAAGGCCTTCGACCTCATTGAG



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CACTACTTTGGTGTAGAAGACGATGATAGCAGCCTGGCTCCCAAGTCGATGAAACGCAA
 CAGCAGTTCATCTTCCAGCAGCCTGAGGCCCCATGGAGGGCTCCAGCTATAATATCTG
 CCTCCAGGGAGGGGAGGGGATGGGAAGCACCACCAGCCAGCGGAAGAGCAGCCCTCTGGT
 GGGCGGAAACCAGTGTCCACCATCAGCCACCACACCTCTGCTGCCCTGGAGACTG
 TGCTCTTGACCTGCTCCGCCCTTCCCTGGAGGGAGCACCCTCTGGACAGACAGAACCA
 TCTGAGGCTCACCTTTGGGTTTTGTGACAAGAAGGGGACGTGTTGGGTTTTCTCTCTTA
 CACTATATTTTGGCTGCACACATGTCTTAAACCAGGAGCCAGGGGTAGACAAAGGAGG
 ACTAAGGTAATCAATTTGCACCTTTTTTATTTTTATTTTTTTTTTTTTTTTTCTTCAAGT
 GTGACTTCCTTCCCTTATCTTTTTTATTCTTCCCGGTCCTCTGCCCTGATCTGTGTAA
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 TGAGTTATTTAATTTTTTTTTCTTTTGCACATTTTTCTTGATTAAGATTGCTCTTCCCA
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 TTAGTTTGGGGGATCCTCCTCACTCTCCTGAAGTGTCTCAAGTATACCAGTGGGAGTGCA
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 AGGTTGAGAGAACCTCTGAGGTGGCTGTATTTTCTCTAAGCTTGAGATAGGGGGCTGTG
 GTCCTTCTTTCTCCTGAGGAGAAAGTCTTGCTCTGGTGACCTGTAAGTTGCAGAGGAG
 GGTGGAGTGAGAGTGTCATGTATTGGGATAGTCAGGGATCCCTGCCTTTGGCCTTTCTTC
 TTCTTCTTCTTCTTCCATAGTTGGATCATGTATTTTACTTCTAAAGGAGAGAATG
 TCAAAAAGTTCGTATTTTTTATATTCTATATATTAGGTAGGTCAATCTTAATTGGTCT
 CAAGAGGAAGAAGTGTCTGTCAATTTTCGGTAAGTAGGATACTGTGAGGAAGACCAAAAAGA
 GATATGGATGCTTCTCGCTCAGGAGGCCTGAGCTTGGTCTTTTCTCTCTGCTTGGAT
 TCTGGACCACCACCTGGGACCAACCTTCAGCTCTGGAACCTTCATAAAGCAGGTCAGCGT
 GGCCTGATTGTCCAGGACCTGAAGGGAGCAAGGATGGCCTCAGGGCCTGGTGAAGTCTG
 CTACTCTGTCTTACTGTGAACATCCTGCTTGTATCAGGAAACTCAGAAGCAGTTTGGC
 TTGTCAAATTCATCTCAATGGCCATTGTCCACATAACTGATCACCCATGGCTGCCTCTC
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 GTATCTTCCCTGTTGGGATCCTTGTACCTGGTTTGGGTTTTCCCTTCTTGTGACAATT
 ATAATCCAGATGCCTCTTCTTCTGTTTGAATTACGGTAGTGCATTGCCTTAGTGGCTTG
 CCTGTGCCTCTGGGTGGATTACATATGATAGTAAAGCCACCTGTTTGGATGGGAGTAGA
 GGAAGTTGGTGTAGACCAGCTGTGGAGCTGAAGGCACAGTCTGCCCCACCCACCTCCC
 CACTGTGGTTAGTCAGAGGCATCCTGCTCCAAGCTCTGCTTTTCTTCTCTGAAACAAT
 GCCATTCTTGCTTCTATTGCTACACATCTCCTTCTGGCTCAGGTGAAATCCATGCCCTTC
 TGCTTATAGACCTAAAGTTCAGTACTTATTATTGGCCATTGATCTTGAATTTGCCCTCT
 CCTAGTGTGCAGTCCCACCTTCAAAGCCATTTTCTGAGGAGGATGGTTTAGGCTGGCAA
 TTGTCTTGAAAAATCCACCCATGTTGTACCACCTTGGTGAGTCATATGCCACTCATCA
 GCTTGGGAATGATGGCTGCCAACTCCCAATCTCCAGGAAGGCAGGGGGCAGAATCTTTT
 TTCACTTGGCCTGCTACCTCCATTAATAAACCACTTCTTTACAGTTTAAAAAAAAAAAA
 AAAAAAA

Restriction Sites:

ECORI-NOT

ACCN:

NM_012316

OTI Disclaimer:

Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method:	<ol style="list-style-type: none">1. Centrifuge at 5,000xg for 5min.2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.3. Close the tube and incubate for 10 minutes at room temperature.4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	NM_012316.4 , NP_036448.1
RefSeq Size:	7373 bp
RefSeq ORF:	1611 bp
Locus ID:	23633
UniProt ID:	O60684
Cytogenetics:	1p35.2
Domains:	Armadillo_seg, IBB
Protein Families:	Druggable Genome
Gene 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. The protein encoded by this gene is a member of the importin alpha family. [provided by RefSeq, Jul 2008]