

Product datasheet for **SC118722**

KPNA3 (NM_002267) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	KPNA3 (NM_002267) Human Untagged Clone
Tag:	Tag Free
Symbol:	KPNA3
Synonyms:	hSRP1; IPOA4; SRP1; SRP1gamma; SRP4
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 SC118722 sequence for NM_002267 edited (data generated by NextGen Sequencing)

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ATGGCCGAGAACCCAGCTTGGAGAACCACCGCATCAAGAGCTTCAAGAACAAGGGCCGC
GATGTGGAACAATGCGAAGACATAGAAATGAAGTGACAGTGGAAGTCCGGAAGAACAAA
AGAGATGAACACTTATTGAAAAAGAGAAATGTTCCCAAGAAGAAAGTCTAGAAGATTCA
GATGTTGATGCTGATTTTAAAGCACAAAATGTAACCCTAGAAGCTATATTGCAGAATGCC
ACAAGTGATAACCCAGTGGTCCAATTGAGTGCTGTCCAGGCAGCAAGAAAAGTGTATCC
AGTGACAGAAAATCCACCGATTGATGACTTAATAAAATCTGGGATTTTACCAATTCTAGTC
AAATGTCTAGAAAAGGATGATAATCCTTACATTACAGTTTGAAGCTGCTTGGGCATTAAC
AACATAGCATCAGGAAGTCTGCACAGACTCAAGCTGTTGTGCAGTCTAATGCAGTACCT
CTTTTTCTGAGACTTCTTCGTTACCACATCAGAATGTTTGTGAACAAGCAGTATGGCT
TTGGGAAACATTATAGGTGATGGTCCCTCAATGTAGAGATTATGCATATCACTGGGAGTT
GTCAAACCTCTTCTGCTTTCATCAGTCCCTCCATCCCCATCACCTTCTTCGGAACGTC
ATATGGGTCAATTGCAATCTCTGCAGGAATAAGGATCCCCACCGCTATGGAGACAGTT
CAGGAGATTTTGGCAGCTTTATGTGCTCATATACCATACAGATATAAACATTCTTGTA
GACACTGTTTGGGCTCTGTCATACTTGACAGATGGAGGTAATGAACAGATACAGATGGTT
ATTGATTCAGGAGTTGTGCCCTTCTTGTGCCCTTCTGAGCCATCAGGAAGTCAAAGTT
CAAACAGCAGCCCTCAGAGCAGTTGGCAACATAGTGACTGGCACCAGCAGCAGACCCAG
GTTGTTCTCAATTGTGATGCTCCTGCACACTTCCCAAATCTCTTATCACACCCAAAAGAG
AAGATAAATAAGGAAGCAGTGTGGTTCCCTTCCAAATAACAGCAGGCAACCAGCAACAA
GTTCAAGCTGTAATAGATGCTGGATTAATCCTATGATAATTCATCAGCTTGCTAAGGGG
GACTTTGGAACACAAAAGAAGCTGCTTGGCAATCAGCAACTTAAACAATAAGTGGCAGA
AAAGATCAGTTGAGTACCTTGTACAGCAGAATGTAATACCAGCTTCTGTAATTTACTG
TCAGTGAAAGATTCTCAAGTGGTTCAGGTGGTTCTAGATGGTCTAAAAAACATTCTGATA
ATGGCCGGTGATGAAGCAAGCACAAATAGCTGAAATAATAGAGGAATGTGGAGTTTGGAG
AAAATTGAAGTTTACAGCAACATGAAAATGAAGACATATATAAATTAGCATTGAAATC
ATAGATCAGTATTTCTCTGGTGATGATTTGATGAAGATCCCTGCCTCATTCTGAAAGCA
ACACAAGGAGGTACCTACAATTTTATGATCCAACAGCCAACCTTCAAACAAAAGAATTTAAT
TTTTAA
    
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Clone variation with respect to NM_002267.3
662 c=>t;702 g=>a

5' Read Nucleotide Sequence:

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>OriGene 5' read for NM_002267 unedited
GTCGGATTTGTATACGACTCACTATAGGCGGCCCGGAATCGGCACGAGGGGCCCCACCC
GGCCCCGAGTCGGCCCCGCGCTCCCCCGGCGCTACTGCCACCTCGCGCTCGGAGGCGTC
ACAGAACGTGCTCTTCTCTCCCCCTCCCCCTCCCGCTCTCCCCCTCCTCCCCCTCCCGC
TCCAAGATTCGCCGCGCCGCGCCGCGCAGCCGCAAGGAGTAGCCGCGCCGAGCCGCGCGG
CAGCCATGGCCGAGAACCCAGCTTGGAGAACCACCGCATCAAGAGCTTCAAGAACAAGG
GCCGCGATGTGGAACAATGCGAAGACATAGAAATGAAGTGACAGTGGAAGTCCGGAAGA
ACAAAAGAGATGAACACTTATTGAAAAAGAGAAATGTTCCCAAGAAGAAAGTCTAGAAG
ATTGAGATGTTGATGCTGATTTTAAAGCACAAAATGTAACCCTAGAAGCTATATTGCAGA
ATGCCACAAGTGATAACCCAGTGGTCCAATTGAGTGCTGTCCAGGCAGCAAGAAAAGTGT
TATCCAGTGACAGAAAATCCACCGATTGATGACTTAATAAAATCTGGGATTTTACCAATTC
TAGTCAAATGTCTAGAGAGGGATGATAATCCTTACATTACAGTTTGAAGCTGCTTGGGCAT
TAACTAACATAGCATCAGGAAGTCTGCACAGACTCAAGCTGTTGTGCAGTCTAATGCAG
TACCTCTTTTTCTGAGACTTCTTCGNTCACCACATCAGAATGTTTGTGAACAAGCAGTAT
GGGCTTTGGGAAACATTATAGGTGATGGTCCCTCAATGTAGAGATTATGCATATCACTG
GGGAGTTGTCAAACCTCCTTCTGCTTTCATCAGTNCCTCCATCCCCATCACCTTCTTT
GGAACGTCATAGGGGTCAATTGGCAC
    
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3' Read Nucleotide Sequence:	>OriGene 3' read for NM_002267 unedited ATGGCCGCGCCCAATCTAGAGTCGAGTTTTTTTTTTTTTTTTTTTAAAACTTATCTGTT TATTCAATAACCAAGTTTCTGTGTTTTAAGTTACTTTTTTTGTGTCAGTCCACCAATGA AAATCATTGGCTGTACTTTAAATCTATTCTCCACATAAAGAATATGAAAATATGTT TGTGGAGGACAATGATGGAGGCTCAGATCACATTGCACCTCTTAGTCTTCCAAC TTGTA TATGCATCATACCAAAGTGTCTTGATCCACAGCGCACCATTTCCAAAGGAGTATCAGTG GGCAGCTGACATGTCACCACATGGAATATTTATTCTAACTGGAGACTGCAGTTGTCAG CCTGTGGCACCAGGGAACAGGAAAAATAGGGTAGTTGAGATTGTTAAGGAGAGTTCTAA AACAGTTTAGGAAATCATGCATATGCATTTACAGTCCATGTGATAGTGACTTTTGCAAC TGCAAAGTGACTGAGACATGGCTTGCTTANAAGCATCAAAACAAAGAGGCATGTGTGTT TTGGAGCCTTTTGTGCTGTTGTTCTTATCATTGGTAGCCATCTGGTGGTGCTTCATAT TGAATGTGGAAAGATGCTGCACTCAACTGAATTTAAAAATAAATTCCTTTGTTGAAG GTTGGCTGTTGGATCAAATTGTANGTACCTCCTGTGTTGCTTCAGAAATGAGCAGGNA TCTTCATCAATATCATCACCAGAGAAATACTGATCTATGATTTCAAATGCTAANTTATAT ATGNCTTCATTTTCATGTGCTGNAAACTTCATTTTCTCAAACNCACATTNCTCTAT TATTTTCAGCTATTGNGCTTGCTTCATCACNGCCATTATCAGAATGNTTNTTAGACATCT AGAACCACTGAACCACTGAGATACTTACTGACGTAAC
Restriction Sites:	NotI-NotI
ACCN:	NM_002267
Insert Size:	2430 bp
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).
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_002267.2 , NP_002258.2
RefSeq Size:	4471 bp
RefSeq ORF:	1566 bp
Locus ID:	3839
UniProt ID:	O00505
Cytogenetics:	13q14.2
Domains:	Armadillo_seg, IBB

Gene Summary:

The transport of molecules between the nucleus and the cytoplasm in eukaryotic cells is mediated by the nuclear pore complex (NPC), which consists of 60-100 proteins. Small molecules (up to 70 kD) can pass through the nuclear pore by nonselective diffusion while larger molecules are transported by an active process. The protein encoded by this gene belongs to the importin alpha family, and is involved in nuclear protein import. [provided by RefSeq, Jan 2009]