

Product datasheet for **SC326589**

KPNA7 (NM_001145715) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	KPNA7 (NM_001145715) Human Untagged Clone
Tag:	Tag Free
Symbol:	KPNA7
Synonyms:	IPOA8
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >NCBI ORF sequence for NM_001145715, the custom clone sequence may differ by one or more nucleotides

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ATGCCGACCTTAGATGCTCCAGAAGAGAGGGCGGAGAAAATTTAAGTACCGAGGCAAAGATGTGTCTCTGA
GGCGACAGCAGAGGATGGCGGTCACTCTGGAGCTCCGAAAGGCCAAGAAAGATGAACAGACCTTAAAGAG
AAGGAATATCACGAGCTTCTGCCCTGACACACCTTCTGAAAAACAGCCAAAGGGGTGGCGGTCAAGCCTC
ACTCTGGGTGAAATAATCAAAGGTGTGAATAGCTCAGATCCAGTCTATGTTTCCAGGCCACCCAGACAG
CCAGGAAAATGCTATCCAGGAAAAGAACCCCTCTGAAACTGGTCATTGAAGCGGGCCTCATTCCAG
GATGGTGGAGTTCCTGAAGTCATCACTTTACCCCTGCTTGCAGTTTGAGGCTGCCTGGGCCCTGACCAAC
ATCGCTTCAGGGACTTCGGAGCAGACTCGTGCCGTGGTAGAAGGGGGAGCCATCCAGCCCTTGATTGAGC
TCCTGTCTTCTCCAACGTGGCTGTGTGTGAACAGGCAGTGTGGGCTCTTGGTAATATAGCCGGTATGG
CCCAGAGTTCAGAGATAACGTATCACAAAGCAATGCCATCCACATCTCCTAGCCTTGATTTACCCACC
CTGCCGATCACATTTCTGCGAACATCACGTGGACCTTGTGGAATCTGTGCCGAAACAAGAACCCATACC
CTTGCGACTGCGGTGAAGCAGATACTGCCGGCCCTCCTTACCTCCTGCAGCACCAGGACAGTGAAGT
TCTCTCGGATGCCTGCTGGGCACTGTCTACCTACCCAGCGCTCCAACAAGCGCATCGGCCAAGTGGTT
AACACGGGGTCTGCCCAGGCTGGTAGTGCTCATGACCAGCTCAGAACTCAATGTCTTGACTCCTTCTC
TCCGCACCGTGGGGAACATTGTACGGGCACAGATGAGCAGACGCAGATGGCCATTGATCGGGTATGCT
GAACGTGCTCCCCAGCTCCTGCAACACAACAAGCCCTCCATCCAGAAGGAGGCAGCCTGGGCCCTGAGC
AACGTAGCAGCGGGGCTTGTACCACATCCAGCAGCTGCTTGCCTACGACGTCTTGCTCCCTTGGTGG
CTCTGCTAAAAACGGAGAATTTAAAGTCCAGAAAGAGGCTGTCTGGATGGTGGCAACTTTGCAACAGG
GGCCACCATGGATCAGCTGATCCAGCTCGTCCACTCTGGGGTCTGGAGCCACTGGTGAATCTGCTCACT
GCCCCAGATGTTAAAATTGTTCTCATCTCTTGTGATGTCATCTTGCATCCTCCAGGCGGAGAGAAAC
GGTCTGAGAAGGAAAACCTGTGCTTCTGATAGAAAGAACTTGGTGGGATCGATAGAATTGAGGCTTTACA
GCTGCATGAGAACCCTCAAATTGGCCAGTGGCTTGAACATCATCGAGAAGCACTTTGGTGGAGGAGAA
GATGAGAGCCAACTTTACTGAGCCAAGTCATAGACCAAGATTATGAATTTATAGATTATGAATGCTTAG
CAAAAAATAG
    
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- Restriction Sites:** Please inquire
- ACCN:** NM_001145715
- Insert Size:** 4300 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).
- OTI Annotation:** The ORF of this clone has been fully sequenced and found to be a perfect match to NM_001145715.1.
- 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:

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_001145715.1](#), [NP_001139187.1](#)

RefSeq Size: 1689 bp

RefSeq ORF: 1551 bp

Locus ID: 402569

UniProt ID: [A9QM74](#)

Cytogenetics: 7q22.1

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, but exhibits different nuclear localization signal binding specificity compared to other members of the family. A pseudogene of this gene has been defined on chromosome 5. [provided by RefSeq, Jul 2016]