

Product datasheet for **RR213021**

Kpna3 (NM_001014792) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Kpna3 (NM_001014792) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Kpna3
Synonyms:	importin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide Sequence:

>RR213021 representing NM_001014792
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGCCGAGAACCCCGCTTGGAGAACCACCGCATTAAAGAGCTTCAAGAACAAGGCCGCGATGTGGAGA
 CAATGCGAAGACACAGAAATGAGGTGACAGTGGAACTCCGGAAGAACAAAAGAGACGAACACTTACTGAA
 AAAGAGAAATGTTCCCAAGAAGAAAGCTTAGAAGATTAGATGTTGATGCTGATTTTAAAGCACAAAAT
 GTAACACTAGAAGCTATATTACAGAATGCTACAAGTGATAATCCCGTAGTCCAGTTGAGTGTGTCAGG
 CAGCAAGGAACTATTATCCAGTGACAGAAATCCACCAATTGATGACCTAATAAAATCTGGGATTTTACC
 AATTCTAGTCAAATGTCTAGAAAGGGATGATAACCCTTCATTACAGTTTGAAGCTGCTTGGGCCCTAACT
 AATATAGCATCAGGAACCTTGCACAGACTCAAGCTGTTGTACAGTCTAATGCCGTACCACTTTTCTCTGC
 GACTCCTCCATCCACATCAGAAATGTTTGTGAACAAGCAGTGTGGGCTTTGGGAAACATTATAGTGGA
 TGGTCCTCAATGTAGAGATTATGCATATCACTGGGAGTTGTCAAACCTTCTGTCTTATCAATCCC
 TCATTCCCATCACCTTCTTCCGGAACGTCACATGGGTCAATTGTCAATCTCTGCAGGAATAAAGACCCCC
 CACCGCTATGGAGACAGTTCAGGAGATTTTGCCAGCTTTATGTGTCTCATCTACCACACGGACATAAA
 TATTCTTGTAGACTGTTTGGGCGCTGTCACTTGCAGACGGAGGAATGAGCAGATACAGATGGTT
 ATTGACTCAGGGGTTGTACCTTCTCTGTCGCCCTTCTGAGCCACCAGGAAGTCAAAGTTCAAACCGCAG
 CACTCAGAGCAGTAGGGAACATAGTGACTGGCACTGATGAGCAGACCCAGGTGGTCTCACTGCGATGT
 CCTGTCCCCTTCCAAACCTTGTGTACACCCAAAAGAGAAAATAACAAGGAAGCAGTGTGGTTCCCT
 TCCAATATAACAGCAGGCAATCAGCAGCAAGTTCAGGCTGTGATCGATGCTGGTTAATCCCTATGATTA
 TTCATCAGCTCGCTAAGGGGGATTTTGGAACACAAAAGGAAGCTGCTTGGGCAATCAGCAACTAACGAT
 AAGTGGCAGAAAAGACCAAGTTGAATACCTTGTACAACAGAATGTAAATCCGCCATTCTGTAACCTACTG
 TCAGTAAAAGATTCTCAAGTGGTGCAGGTGGTTCTGGATGGTCTAAAAACATCCTGATAATGGCTGGTG
 ATGAAGCAAGCACAATAGCTGAGATCATAGAAGAGTGTGGAGTTTGGAGAAAATAGAAGTTTTCAGCA
 ACATGAAAATGAAGACATATATAAATTAGCATTGAAATCATAGATCAATATTTCTCTGGTGTATGATATT
 GATGAAGATCCTAGCCTCATTCTGAAGCAACACAAGGAGGACTTACAATTTTGACCAACAGCCAACC
 TTCAAACAAAAGAATTTAATTTTC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR213021 representing NM_001014792
 Red=Cloning site Green=Tags(s)

MAENPGLNHRIKSFKNKGRDVEIMRRHRNEVTVELRKNKRDEHLLKRNVPQEESELESDVDADFKAQN
 VTLEAILQNATSDNPVVQLSAVQAARKLLSSDRNPPIDDLIKSGILPILVKCLERDDNPSLQFEAAWALT
 NIASGTSAQTAQAVVQSNAPVPLFLRLLHSPHQNVCEQAVWALGNIIGDGPQCRDYVISLGVVKPLLSFINP
 SIPITFLRNVTWVIVNLCRNKDPMPMETVQEILPALCVLIYHTDINILVDTVWALSYLTDGGNEQIQMV
 IDSGVVPFLVPLLSHQEVKVTAAALRAVGNIVTGTDEQTQVVLNCDVLSHFPNLLSHPKEKINKEAVWFL
 SNITAGNQVQVAVIDAGLIPMIHQAKGDFGTQKEAAWAISNLTI SGRKDQVEYLVQQNVIPFCNLL
 SVKDSQVVQVVDGLKNILIMAGDEASTIAEIIIECGGLEKIEVLQQHENEDIYKLAFEIIDQYFSGDDI
 DEDPSLIPPEATQGGTYNFDPTANLQTKENF

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

ACCN:	NM_001014792
ORF Size:	1563 bp
OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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_001014792.1 , NP_001014792.1
RefSeq Size:	2075 bp
RefSeq ORF:	1566 bp
Locus ID:	361055
Cytogenetics:	15p12
MW:	57.8 kDa