

Product datasheet for **RR216858**

Kpna2 (NM_001270802) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Kpna2 (NM_001270802) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Kpna2
Synonyms:	importin
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RR216858 representing NM_001270802
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGTCCACCAATGAGAATGCTAACTCAACAGCTGCCCGGTTAACAGATTCAAGAACAAGGGGAAAGACA
 GTACAGAAATGCGCGCCGCCGAATAGAGGTTAATGTGGAACCTTAGGAAAGCTAAAAAGATGACCAGAT
 GCTGAAAAGGAGGAATGTCAGCTCATTCCCTGATGACGCTACTTCTCCACTACAGGAAAACCGAAACAAC
 CAGGGTACTGTAAATGGTCTGTGAGGACATTGTTAAAGGCATAAACAGTAACAATTTGGAAAGCCAGC
 TCCAAGCTACTCAAGCTGCTCGGAACTGCTTTCAAGAGAGAAGCAGCCTCCTATAGACAACATCATCCG
 GGCTGGTTTATCCAAAATTTGTGCTTCTTGGGCAAAACGGATTGTAGTCCCATTAGTTTGAATCT
 GCTTGGGCGCTACCAACATTGCTTCTGGAACATCCGAACAGACCAAGCTGTGGTGGATGGAGGTGCTA
 TCCAGCATTTATTTCTCTTGGCGTCGCCCCATGCTCACATCAGCGAGCAAGCTGTGTGGCTCTTGG
 AAACATTGCAGGTGATGGCTCAGTTTTCCGAGACTTGGTTATCAAACATGGTGAATTGACCCACTGTTG
 GCACTTCTCGCAGTTCCTGATCTGTCTCCTTGGCATGTGGTACTTGGCGAATCTTACCTGGACACTTT
 CAAACCTCTGTCGGAACAAGAATCCCGCACCCCTTAGATGCTGTTGAGCAGATCCTTCTACTCTAGT
 TCGACTCTACACCACAACGATCCAGAAGTATTAGCAGACTCCTGCTGGGCCATTTCTATCTGACTGAT
 GGGCCGAATGAGCGCATCGAGATGGTTGTGAAGAAGGGAGTTGTTCCCAACTTGTGAAGCTTTTAGGAG
 CTACTGAACTGCCATTGTGACGCCGCGCACTGAGAGCCATAGGGAATATTGTCACCGGAACAGATGAACA
 GACTCAGAAAGTGATCGATGCAGGGCACTTGCAGTCTTCCCAGCCTGCTGACAAACCCCAAACTAAT
 ATTCAGAAGGAGGCCACATGGACAATGTCGAACATTACCGCCGGGCGCCAGGACCAGATACAGCAAGTGG
 TGAATCACGGCCTCGTCCATTTCTCGTTGGTGTCTCTCTAAGGCAGACTTTAAGACACAGAAGGAAGC
 CGCATGGCTATAACCAACTACACCAGCGCGGGACTGTTGAACAGATTGTGTATCTGGTTCATTGTGGA
 ATAATAGAACCCTTGATGAACCTCTGAGTGCAAAAGATACCAAAATTATTCAGGTTATTCTTGATGCTA
 TTTCAAATATCTTTCAGGCTGCAGAGAACTAGGTGAGACAGAAAACTCAGTATAATGATTGAAGAGTG
 TGGAGGCTTGGATAAAATTGAAGCCCTACAGAGCCATGAGAACGAGTCTGTGTACAAGGCCTCGTTGAAC
 CTAATTGAGAAGTACTTCTCAGTGGAGGAAGAGGAAGTCAAAATGTGGTGCCAGAACTACCTCTGAAG
 GCTTCGCCTTCAAGTTCAGGATGGAGCTCCCGGACCTTAACTTC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR216858 representing NM_001270802
 Red=Cloning site Green=Tags(s)

MSTNENANSTAARLNRFKKNKGDSTEMRRRRIEVNVELRKAKKDDQMLKRRNVSSFPDDATSPLQENRNN
 QGTVNWSVEDIVKGINSNNLESQIQATQAARKLLSREKQPPIDNIRAGLIPKFVSFLGKTDSPFIQFES
 AWALTNIASGTSEQTKAVVDGGAIPAFISLLASPHAHISEQAVWALGNIAGDGSVFRDLVIKHGAIDPLL
 ALLAVPDLSSLACGYLRNLTWLSNLCRNKPAPPLDAVEQILPTLVRLHHNDPEVLADSCWAI SYLTD
 GPNERIEMVVKGVVPQLVKLLGATELPIVTPALRAIGNIVTGTDEQTKVIDAGALAVFPSLLTNPKTN
 IQKEATWTMSNITAGRQDQIQVVNHGLVPFLVGVLSKADFQKQKEAAWAITNYTSGGTVEQIVYLVHCG
 IIEPLMNLISAKDTKIIQVILDAISNIFQAAEKLGETEKL SIMIEECGLDKIEALQSHENESVYKASLN
 LIEKYFSVEEEDQNVVPEITSEGFQVQDQDAPGTFNF

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



ACCN: NM_001270802

ORF Size: 1587 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:
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_001270802.1](#), [NP_001257731.1](#)

RefSeq Size: 2002 bp

RefSeq ORF: 1590 bp

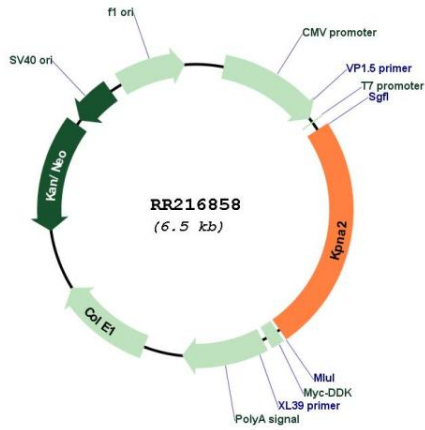
Locus ID: 85245

Cytogenetics: 10q32.1

MW: 57.8 kDa

Gene Summary: receptor which binds to Glut2; participates in nuclear import [RGD, Feb 2006]

Product images:



Circular map for RR216858