

## Product datasheet for **RN216858**

### **Kpna2 (NM\_001270802) Rat Untagged Clone**

#### **Product data:**

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



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**Fully Sequenced ORF:** >RN216858 representing NM\_001270802  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGTCCACCAATGAGAATGCTAACTCAACAGCTGCCCGGCTTAACAGATTCAAGAACAAGGGGAAAGACA  
 GTACAGAAATGCGGCGCCGCGAATAGAGGTTAATGTGGAACCTTAGGAAAGCTAAAAAGATGACCAGAT  
 GCTGAAAAGGAGGAATGTCAGCTCATTCCCTGATGACGCTACTTCTCCACTACAGGAAAACCGAAACAAC  
 CAGGGTACTGTAAATTGGTCTGTGAGGACATTGTTAAAGGCATAAACAGTAACAATTTGGAAAGCCAGC  
 TCCAAGCTACTCAAGCTGCTCGGAACTGCTTTCAAGAGAGAAGCAGCCTCCTATAGACAACATCATCCG  
 GGCTGGTTTGTATCCAAAATTTGTGCTTCTTGGGCAAAACGGATTGTAGTCCCATTAGTTTGAATCT  
 GCTTGGGCGCTCACCAACATTGCTTCTGGAACATCCGAACAGACCAAGCTGTGGTGGATGGAGGTGCTA  
 TCCAGCATTTATTTCTCTCTTGGCGTCGCCCCATGCTCACATCAGCGAGCAAGCTGTGTGGCTCTTGG  
 AAACATTGCAGGTGATGGCTCAGTTTTCCGAGACTTGGTTATCAAACATGGTGAATTGACCCACTGTTG  
 GCACTTCTCGCAGTTCCTGATCTGTCTCCTTGGCATGTGGTACTTGCAGCAATCTTACCTGGACACTTT  
 CAAACCTCTGTCGGAACAAGAATCCCGCACCCCTTAGATGCTGTTGAGCAGATCCTTCTACTCTAGT  
 TCGACTCTACACCACAACGATCCAGAAGTATTAGCAGACTCCTGCTGGGCCATTTCTATCTGACTGAT  
 GGGCCGAATGAGCGCATCGAGATGGTTGTGAAGAAGGGAGTTGTTCCCAACTTGTGAAGCTTTTAGGAG  
 CTACTGAACTGCCATTGTGACGCCGCACTGAGAGCCATAGGGAATATTGTCACCGGAACAGATGAACA  
 GACTCAGAAAGTGATCGATGCAGGGCACTTGCAGTCTTCCCAGCCTGCTGACAAACCCAAAATAAT  
 ATTCAGAAGGAGGCCACATGGACAATGTCGAACATTACCGCCGGGCGCCAGGACCAGATACAGCAAGTGG  
 TGAATCACGGCCTCGTCCATTCTCGTTGGTGTCTCTCTAAGGCAGACTTTAAGACACAGAAGGAAGC  
 CGCATGGGCTATAACCAACTACACCAGCGCGGACTGTTGAACAGATTGTGTATCTGGTTCATTGTGGA  
 ATAATAGAACCCTTGATGAACCTCTGAGTGCAAAAGATACCAAAATTATTCAGGTTATTCTTGATGCTA  
 TTTCAAATATCTTTCAGGCTGCAGAGAACTAGGTGAGACAGAAAACTCAGTATAATGATTGAAGAGTG  
 TGGAGGCTTGGATAAAAATTGAAGCCCTACAGAGCCATGAGAACGAGTCTGTGTACAAGGCCTCGTTGAAC  
 CTAATTGAGAAGTACTTCTCAGTGGAGGAAGAGGAAGTCAAAATGTGGTGCCAGAACTACCTCTGAAG  
 GCTTCGCCTTCCAAGTTCAGGATGGAGCTCCCGGACCTTAACTT**C**TAA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** Sgfl-Mlul

**ACCN:** NM\_001270802

**Insert Size:** 1590 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:** Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.

**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

**Gene Summary:** receptor which binds to Glut2; participates in nuclear import [RGD, Feb 2006]  
Transcript Variant: This variant (1) represents the longer transcript. Variants 1 and 2 both encode the same protein.