

## Product datasheet for **RN215275**

### **Kpna2 (NM\_053483) Rat Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Kpna2 (NM_053483) 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:** >RN215275 representing NM\_053483  
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**GCGATCGCC**

ATGTCCACCAATGAGAATGCTAACTCAACAGCTGCCCGGCTTAACAGATTCAAGAACAAGGGGAAAGACA  
GTACAGAAATGCGGCGCCGCGAATAGAGGTTAATGTGGAACCTTAGGAAAGCTAAAAAGATGACCAGAT  
GCTGAAAAGGAGGAATGTCAGCTCATTCCCTGATGACGCTACTTCTCCACTACAGGAAAACCGAAAACAAC  
CAGGGTACTGTAAATTGGTCTGTGAGGACATTGTTAAAGGCATAAACAGTAACAATTTGGAAAGCCAGC  
TCCAAGCTACTCAAGCTGCTCGGAACTGCTTTCAAGAGAGAAGCAGCCTCCTATAGACAACATCATCCG  
GGCTGTTTGTATCCAAAATTTGTGCTTCTTGGGCAAAACGGATTGTAGTCCCATTAGTTTGAATCT  
GCTTGGGCGCTCACCAACATTGCTTCTGGAACATCCGAACAGACCAAGCTGTGGTGGATGGAGGTGCTA  
TCCAGCATTTATTTCTCTCTTGGCGTCGCCCCATGCTCACATCAGCGAGCAAGCTGTGTGGCTCTTGG  
AAACATTGCAGGTGATGGCTCAGTTTTCCGAGACTTGGTTATCAAACATGGTGAATTGACCCACTGTTG  
GCACTTCTCGCAGTTCCTGATCTGTCTCCTTGGCATGTGGTACTTGGCGAATCTTACCTGGACACTTT  
CAAACCTCTGTCGGAACAAGAATCCCGCACCCCTTAGATGCTGTTGAGCAGATCCTTCTACTCTAGT  
TCGACTCTACACCACAACGATCCAGAAGTATTAGCAGACTCCTGCTGGGCCATTTCTATCTGACTGAT  
GGGCCAATGAGCGCATCGAGATGGTTGTGAAGAAGGGAGTTGTTCCCAACTTGTGAAGCTTTTAGGAG  
CTACTGAACTGCCATTGTGACGCCGCACTGAGAGCCATAGGGAATATTGTCACCGGAACAGATGAACA  
GACTCAGAAAGTGATCGATGCAGGGCACTTGCAGTCTTCCAGCCTGCTGACAAACCCCAAACTAAT  
ATTGAGAAGGAGCCACATGGACAATGTCGAACATTACCGCCGGGCGCCAGGACCAGATACAGCAAGTGG  
TGAATCACGGCTCGTCCATTCTCGTTGGTGTCTCTCTAAGGCAGACTTTAAGACACAGAAGGAAGC  
CGCATGGGCTATAACCAACTACACCAGCGCGGACTGTTGAACAGATTGTGTATCTGGTTCATTGTGGA  
ATAATAGAACCCTTGATGAACCTCTGAGTGCAAAAGATACCAAAATATTAGGTTATTCTTGATGCTA  
TTTCAAATATCTTTCAGGCTGCAGAGAACTAGGTGAGACAGAAAACTCAGTATAATGATTGAAGAGTG  
TGGAGGCTTGATAAAAATTGAAGCCCTACAGAGCCATGAGAACGAGTCTGTGTACAAGGCCTCGTTGAAC  
CTAATTGAGAAGTACTTCTCAGTGGAGGAAGAGGAAGTCAAAATGTGGTGCCAGAACTACCTCTGAAG  
GCTTCGCCTTCCAAGTTCAGGATGGAGCTCCCGGACCTTAACTTCTAA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** Sgfl-Mlul

**ACCN:** NM\_053483

**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).

**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\\_053483.2](#), [NP\\_445935.2](#)

**RefSeq Size:** 1977 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 (2) differs in the 5' UTR compared to variant 1. Variants 1 and 2 both encode the same protein.