

## Product datasheet for **RR200344**

### **Kcnip2 (NM\_020095) Rat Tagged ORF Clone**

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Kcnip2 (NM\_020095) Rat Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** Kcnip2  
**Synonyms:** Kchip2  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**ORF Nucleotide Sequence:** >RR200344 representing NM\_020095  
**Red=Cloning site Blue=ORF Green=Tags(s)**

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**GCGATCGCC**

ATGCGGGGCCAAGGCAGAAAGGAGAGTTTGTCCGAATCCCAGATCTGGACGGCTCCTATGACCAGCTTA  
CGGGCCACCCTCCAGGGCCAGTAAAAAGCCCTGAAGCAGCGTTTCCTCAAGCTGCTGCCGTGCTGCGG  
GCCCAAGCCCTGCCCTCAGTCAGTGAAAACAGCGTAGAGGATGAGTTTGAATTATCCACGGTGTGTCAC  
CGACCTGAGGGCCTGGAACAACCTCCAGGAACAGACCAAGTTCACACGCAGAGAGCTGCAGGTCTGTACC  
GAGGCTTCAAGAACGAATGCCCCAGTGGGATTGTCAACGAGGAGAACTCAAGCAGATTTATTCTCAGTT  
CTTTCCCAAGGAGACTCCAGCAACTATGCTACTTTTCTTTCAATGCCTTTGACACCAACCACGATGGC  
TCTGTCAGTTTTGAGGACTTTGTGGCTGGTTTGTCCGGTATTCTTCGGGGGACCATAGATGATAGACTGA  
GCTGGGCTTTCAACTTATATGACCTCAACAAGGACGGCTGTATCACAAGGAGGAAATGCTTGACATTAT  
GAAGTCCATCTATGACATGATGGCAAGTACACATACCCTGCCCTCCGGGAGGAGGCCCAAGAGAACAC  
GTGGAGAGCTTCTCCAGAAGATGGACAGGAACAAGGACGGCGTGGTGACCATCGAGGAATTCATCGAGT  
CTTGTC AACAGGACGAGAACATCATGAGGTCCATGCAGCTCTTTGATAATGTCATC

**ACGCGT**ACGCGGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >RR200344 representing NM\_020095  
 Red=Cloning site Green=Tags(s)

MRGQGRKESLSESRDLGSDYDQLTGHPGPSKALKQRFLKLLPCCGPQALPSVSENSVEDEFELSTVCH  
 RPEGLEQLQEQTKFTRRELQVL YRGFKNECPSGI VNEENFKQIYSQFFPQGDSSNYATFLFNAFDTNHDG  
 SVSFEDFVAGLSVILRGTIDDRLSWAFNLYDLNKDGCITKEEMLDIMKSIYDMMGKYTPALREEAPREH  
 VESFFQKMDRNDKGVVTIEEFIESCQDENIMRSMQLFDNVI

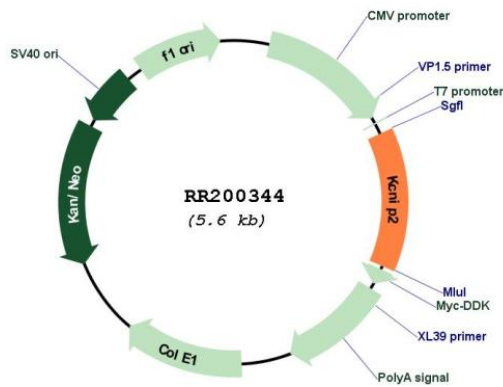
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_020095  
**ORF Size:** 756 bp

<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_020095.2</a> , <a href="#">NP_064480.2</a>
<b>RefSeq Size:</b>	2316 bp
<b>RefSeq ORF:</b>	759 bp
<b>Locus ID:</b>	56817
<b>UniProt ID:</b>	<a href="#">Q9JMS9</a>
<b>Cytogenetics:</b>	1q54
<b>MW:</b>	29 kDa
<b>Gene Summary:</b>	Ca(2+)-binding protein that acts as an auxiliary subunit for voltage-gated K(+) channels [RGD, Feb 2006]