

## Product datasheet for **RR216093**

### **Kcnip1 (NM\_001261389) Rat Tagged ORF Clone**

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Kcnip1 (NM\_001261389) Rat Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** Kcnip1  
**Synonyms:** Kchip1  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**ORF Nucleotide Sequence:** >RR216093 representing NM\_001261389  
**Red=Cloning site Blue=ORF Green=Tags(s)**

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGGGGCGTCATGGGTACCTTCTCGTCCCTGCAGACCAAACAAGGCGACCCTCTAAAGACATCGCCT  
GGTGGTATTACAGTATCAGAGAGACAAGATCGAGGATGATCTGGAGATGACCATGGTTTGCCATCGGCC  
TGAGGGACTGGAGCAGCTTGAGGCACAGACGAACCTCACCAAGAGAGAACTGCAAGTCTTTACCGGGGA  
TTCAAAAACGAGTGCCCCAGTGGTGTGGTTAACGAAGAGACATTC AAGCAGATCTACGCTCAGTTTTCC  
CTCATGGAGATGCCAGCACATACGCACATTACCTCTTCAATGCCTTCGACACCACCAGACAGGCTCTGT  
AAAGTTCGAGGACTTTGTGACTGCTCTGTGATTTTACTGAGAGGAACGGTCCATGAAAACTGAGGTGG  
ACGTTTAAATTTGTACGACATCAATAAAGACGGCTACATAAACAAGAGGAGATGATGGACATAGTGAAAG  
CCATCTATGACATGATGGGGAAATACACCTATCCTGTGCTCAAAGAGGACACTCCAGGCAGCACGTGGA  
CGTCTTCTCCAGAAAATGGATAAAAATAAAGATGGCATTGTACGTTAGACGAATTTCTCGAGTCTGT  
CAGGAGGATGACAACATCATGAGGTCTCTACAGCTGTTCCAAAATGTCATG

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR216093 representing NM\_001261389  
 Red=Cloning site Green=Tags(s)

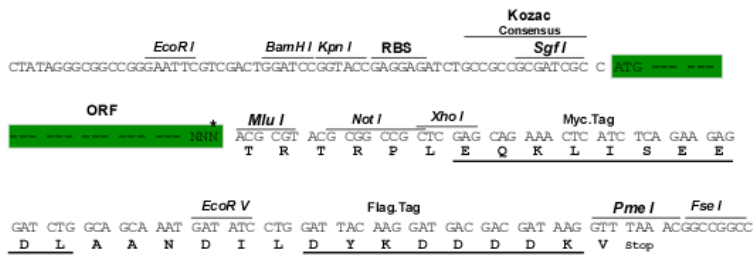
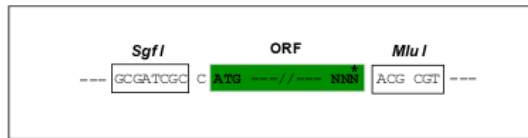
MGAVMGTFSSLQTKQRRPSKDIWWYYQYQRDKIEDDLEMTMVCHRPEGLEQLEAQTNFTKRELQVLYRG  
 FKNECPGSGVVNEETFKQIYAQFFPHGDASTYAHYLFNAFDTTQTGSVKFEDFVTALSILLRGTVHEKLRW  
 TFNLYDINKDGYINKEEMMDIVKAIYDMMGKYTPVLKEDTPRQHVDFVFQKMDKNKDGIVTLDEFLESC  
 QEDDNIMRSLQLFQNV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI

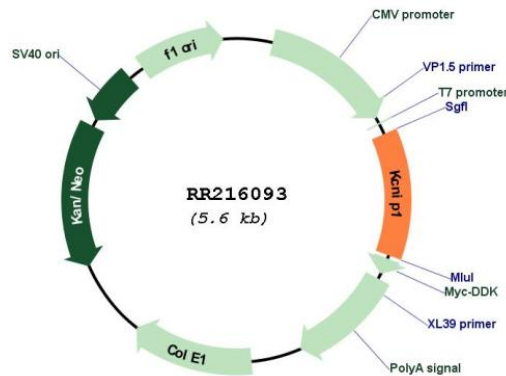
Cloning Scheme:

Cloning sites used for ORF Shuttling:



\* The last codon before the Stop codon of the ORF

Plasmid Map:



ACCN: NM\_001261389

ORF Size: 681 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_001261389.1</a> , <a href="#">NP_001248318.1</a>
<b>RefSeq Size:</b>	1489 bp
<b>RefSeq ORF:</b>	684 bp
<b>Locus ID:</b>	65023
<b>UniProt ID:</b>	<a href="#">Q8R426</a>
<b>Cytogenetics:</b>	10q12
<b>MW:</b>	26.8 kDa
<b>Gene Summary:</b>	amino terminal is involved in the regulation of closed inactivation gating [RGD, Feb 2006]