

## Product datasheet for RR210796

### Kcnip3 (NM\_032462) Rat Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Kcnip3 (NM_032462) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Kcnip3
Synonyms:	Csen; Dream; rKChIP3
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RR210796 representing NM_032462 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGCAGAGACCAAGGAAGCAATGAAGGCATCGGATGGCAGCCTCCTGGGAGACCCTGGGCGCATACCGC  
TGAGCAAGAGGGAAGGCATCAAGTGGCAGAGGCCACGGTTCACCCGCCAGGCCCTGATGCGTTGCTGCTT  
AATCAAGTGGATCCTGTCCAGTGTGCCCCACAAGGCTCAGACAGCAGTGACAGTGAAGTGGAGTTGTCC  
ACGGTGCGCCATCAGCCAGAGGGCTTGGACCAGCTACAGGCCCAAACCAAGTTCACCAAGAAGGAGCTGC  
AGTCCCTGTACCGAGGCTTCAAGAACGAATGTCCACGGGCTGGTTCGATGAAGATACCTCAAACCTCAT  
TTATTCAGTCTTCCCCAGGGAGATGCCACCACCTATGCACACTTCCTTCAATGCCTTCGATGCT  
GATGGGAACGGGGCCATCCACTTTGAGGACTTTGTGGTTGGGCTCTCCATCCTGCTTCGAGGGACCGTCC  
ATGAGAAGCTCAAGTGGCCTTCAATCTCTACGACATCAACAAGGACGGTTACATCACCAAGAGGAGAT  
GCTGGCCATCATGAAGTCCATCTACGACATGATGGGCCGCCACACCTACCTATCCTGCGAAAGGACGCA  
CCTCTGGAGCATGTGGAGAGTTCTCCAGAAAATGGACAGGAACCAGGATGGAGTAGTGACTATTGATG  
AATTTCTGGAGACTTGTGAGAAGGACGAGAACATCATGAGCTCCATGCAGCTGTTGAGAACGTCATC

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



[View online »](#)

**Protein Sequence:** >RR210796 representing NM\_032462  
 Red=Cloning site Green=Tags(s)

MQRTKEAMKASDGSL LGDPGRIP LSKREGIKWQRPRFTRQALMRCCLIKWILSSAAPQGS DSSDSELELS  
 TVRHQPEGLDQLQAQTKF TKKELQSLYRGFKNCEPTGLVDEDTFKLIYSQFFPQGDATTYAHFLNADFDA  
 DGNGAIHFEDFVVGLSILLRGTVHEK LKWFANLYDINKDGYITKEEMLAIMKSIYDM MGRHTYPI LRKDA  
 PLEHVERFFQKMDRNQDGVVTIDEFLETCQKDENIMSSMQLFENV I

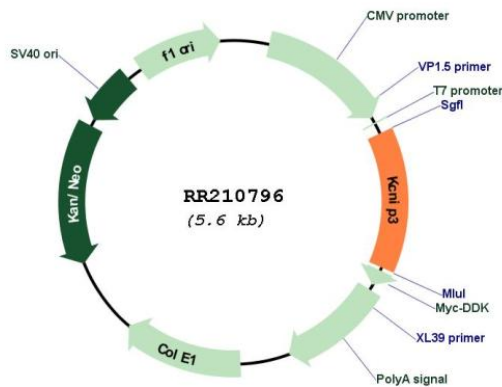
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_032462  
**ORF Size:** 768 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_032462.2</a> , <a href="#">NP_115851.1</a>
<b>RefSeq Size:</b>	818 bp
<b>RefSeq ORF:</b>	771 bp
<b>Locus ID:</b>	65199
<b>UniProt ID:</b>	<a href="#">Q9JM47</a>
<b>Cytogenetics:</b>	3q36
<b>MW:</b>	29.5 kDa
<b>Gene Summary:</b>	member of the voltage-gated K <sup>+</sup> channel-interacting proteins (KCNIPs) family; plays a role in the intracellular trafficking of K <sup>+</sup> channel alpha subunit Kv4.2 (Kcna4); modifies Kv4 potassium channel current kinetics [RGD, Feb 2006]