

## Product datasheet for **RC211661**

### **KCNIP4 (NM\_001035003) Human Tagged ORF Clone**

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** KCNIP4 (NM\_001035003) Human Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** KCNIP4  
**Synonyms:** CALP; KCHIP4  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**ORF Nucleotide Sequence:** >RC211661 representing NM\_001035003  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGAGTGGCTGTAGAAAGCGGTGTAAACGTGAAATACTGAAATTTGCCAGTACCTTCTCAGACTATTAA  
 CAGGTTCTTTCATACAGACAGCGTGGAAGATGAACTGGAGATGGCCACCGTCAGGCATCGGCCTGAAGC  
 CCTTGAGCTTCTGGAAGCCAGAGCAAATTTACCAAGAAAGAGCTTCAGATCCTTTACAGAGGATTTAAG  
 AATGAATGCCCCAGTGGTGTGTTAATGAAGAAACCTTCAAAGAGATTTACTCGCAGTTCTTTCCACAGG  
 GAGACTCTACAACATATGCACATTTTCTGTTCATGCATTTGATACAGACCACAATGGAGCTGTGAGTTT  
 CGAGGATTTTCATCAAAGTCTTTCCATTTTGTCTCCGGGGACAGTACAAGAAAACTCAATTGGGCATTT  
 AATCTGTATGACATAAATAAAGATGGCTACATCACTAAAGAGGAAATGCTTGATATAATGAAAGCAATAT  
 ACGATATGATGGGTAATGTACATATCCTGTCCTCAAAGAAGATGCTCCAGACAACACGTTGAAACATT  
 TTTTCAGAAAAATGGACAAAAATAAAGATGGGGTTGTTACCATAGATGAGTTCATTGAAAGCTGCCAAAA  
 GATGAAAACATAATGCGCTCCATGCAGCTCTTTGAAAATGTGATT

**ACGCGT**ACGCGGGCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA



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**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\\_001035003.1](#), [NP\\_001030175.1](#)

**RefSeq Size:** 2424 bp

**RefSeq ORF:** 678 bp

**Locus ID:** 80333

**UniProt ID:** [Q6PIL6](#)

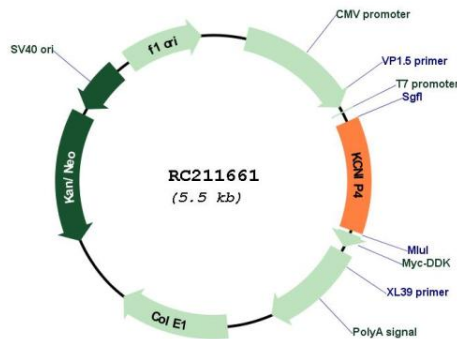
**Cytogenetics:** 4p15.31-p15.2

**Protein Families:** Druggable Genome, Ion Channels: Other

**MW:** 26.1 kDa

**Gene Summary:** This gene encodes a member of the family of voltage-gated potassium (Kv) channel-interacting proteins (KCNIPs), which belong to the recoverin branch of the EF-hand superfamily. Members of the KCNIP family are small calcium binding proteins. They all have EF-hand-like domains, and differ from each other in the N-terminus. They are integral subunit components of native Kv4 channel complexes. They may regulate A-type currents, and hence neuronal excitability, in response to changes in intracellular calcium. This protein member also interacts with presenilin. Multiple alternatively spliced transcript variants encoding distinct isoforms have been identified for this gene. [provided by RefSeq, Jul 2008]

### Product images:



Circular map for RC211661