

## Product datasheet for **SC214859**

### **KCNIP4 (NM\_001035004) Human 3' UTR Clone**

#### **Product data:**

Product Type:	3' UTR Clones
Product Name:	KCNIP4 (NM_001035004) Human 3' UTR Clone
Symbol:	KCNIP4
Synonyms:	CALP; KCHIP4
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_001035004
Insert Size:	1506 bp



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**Insert Sequence:** >SC214859 3'UTR clone of NM\_001035004  
 The sequence shown below is from the reference sequence of NM\_001035004. The complete sequence of this clone may contain minor differences, such as SNPs.  
 Blue=Stop Codon Red=Cloning site

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GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
TCCATGCAGCTCTTTGAAAATGTGATTAACTTGTCAAATAGATCCTGAATCCAACAGACAAATGTGAA
CTATTCTACCACCCTTAAAGTTGGAGCTACCACTTTTAGCATAGATTGCTCAGCTTGACACTGAAGCAT
ATTATGCAACAAGCTTTGTTTTAATAAAGCAATCCCCAAAAGATTTGAGCTTTCAGTTATAAATTT
GCATCCTTTTCATAATGCCACTGAGTTCAGGGGATGGTCTAACTCATTTCATACTCTGTGAATATTCAA
AAGTAATAGAATCTGGCATATAGTTTTATTGGTTCCTTAGCCATGGGATTATTGAGGCTTTCACATATC
AGTGATTTTAAAATATCAGTGTTTTTGTCTACTCTTTGTATGTATTAGTCTAGGATTTTGAATGGT
TTTCTAATATAGTGACATCTGCATTTAATTTCCAGAAATTAATTAATTTTCATGTTTGAATGCTGTAA
TTCCATTTAAATCCATTTATATACTTTAAGGAAACAAGATTACAACAATAAAAAACACATAGTTCC
AGTTTCTATGGCCTTCCACCTTCTGTTAGAAATTAAGTTTATCTGGCATTTTTAAACATTTAAAAATT
ATTAACATTTAAAAATTAGTTTATTATCAGATATCAGCATATGCCTAATAAAACTTATTTTAATAAGC
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CAGGCTGTTTTCTATTGTATCAATCATTAGTATCAATCATTAAAGTGAAGTTGAAGAAGGCATCAAACA
AAACAAGGATGTTTACAGACATATGCAAAGGTCAGGATATCTATCCTCCAGTATATAGTAATGCTTAA
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TATTTATATTACAAGCCATTCAGGGACAAGAAAGAAACCTTGACTACCCCACTGTCTACTAAGAACAA
ACAGCAAGCAAAATAGCAAGCAAAATTCATTTGAAAGCACCAAGTGGTCCATTACATTGACAACATAC
TACCAAGATTTAGTAGAAAATAAGTGCTCAACAATAATCCAGATTACAGTATGATTTAGCTCATCATA
ATTCAGATTTATTTAATCATCTTAGCCAAAAGTAAAGTTGCCACATTAATAAGCCACACACATCG
TCCCTGTTTTGTAGAAATATCACAAAGACCAAGAGGCTACAGAAGGAGGAAATTTGCAACTGTCTTTGC
AACATAAATCAGGTATCTATTCTGGTGTAGAGATAGGATGTTGAAAGCTGCCCTGCTATCACCAGTGT
AGAAATTAAGAGTAGTACAATACATGTACTGAAATTTGCCATCACGTGTTTGTGTAACTCAATGTG
CACATTTGTATTTCAAAAAGAAAAATAAAAGCAAAATAAAATGTTTATAACTCTA
ACGCGTAAGCGGCCGCGCATCTAGATTGAAGAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG
  
```

**Restriction Sites:** SgfI-MluI

**OTI Disclaimer:** Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences, e.g., single nucleotide polymorphisms (SNPs).

**Components:** The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 µg dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.

**RefSeq:** [NM\\_001035004.2](#)

**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]

**Locus ID:**

80333

**MW:**

58.3