

Product datasheet for **RC207464**

KCNIP4 (NM_001035004) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	KCNIP4 (NM_001035004) 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:	>RC207464 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAATGTGAGGAGGGTGGAAAGCATTTCGGCTCAGCTGGAGGAGGCCAGCTCTACAGGCGGTTTCCTGT
ACGCTCAGAACAGCACCAAGCGCAGCATTAAAGAGCGGCTCATGAAGCTTTGCCCTGCTCAGCTGCCAA
AACGTCGTCTCCTGCTATTCAAACAGCGTGGAAGATGAACTGGAGATGGCCACCGTCAGGCATCGGCC
GAAGCCCTTGAGCTTCTGGAAGCCAGAGCAAATTTACCAAGAAAGAGCTTCAGATCCTTACAGAGGAT
TTAAGAACGAATGCCCCAGTGGTGTGTTAATGAAGAACTTCAAAGAGATTTACTCGCAGTTCTTTCC
ACAGGGGAGACTCTACAACATATGCACATTTTCTGTTCAATGCATTTGATACAGACCAATGGAGCTGTG
AGTTTCGAGGATTTATCAAAGGTCTTTCCATTTTGTCTCCGGGGACAGTACAAGAAAACTCAATTGGG
CATTTAATCTGTATGACATAAATAAAGATGGCTACATCACTAAAGAGGAAATGCTTGATATAATGAAAGC
AATATACGATATGATGGGTAAATGTACATATCCTGTCTCAAAGAAGATGCTCCCAGACAACACGTTGAA
ACATTTTTTCAGAAAATGGACAAAAATAAAGATGGGGTTGTTACCATAGATGAGTTTCATTGAAAGCTGCC
AAAAAGATGAAAACATAATGCGCTCCATGCAGCTCTTTGAAAATGTGATT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
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 Size: 2345 bp

RefSeq ORF: 567 bp

Locus ID: 80333

UniProt ID: [Q6PIL6](#)

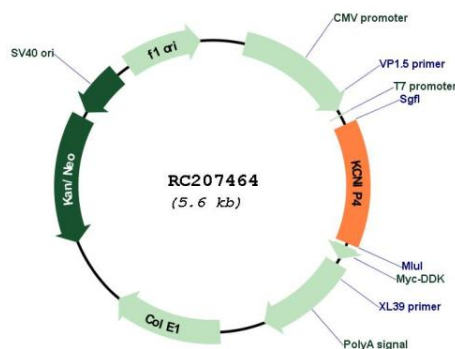
Cytogenetics: 4p15.31-p15.2

Protein Families: Druggable Genome, Ion Channels: Other

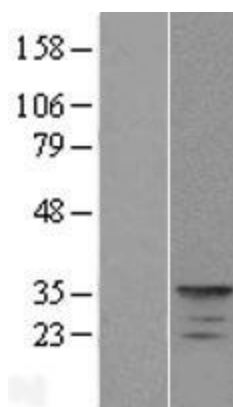
MW: 28.7 kDa

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]

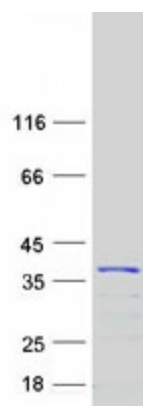
Product images:



Circular map for RC207464



Western blot validation of overexpression lysate (Cat# [LY407777]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with [RC216528] using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified KCNIP4 protein (Cat# [TP307464]). The protein was produced from HEK293T cells transfected with KCNIP4 cDNA clone (Cat# RC207464) using MegaTran 2.0 (Cat# [TT210002]).