

Product datasheet for **SC110645**

KCNIP4 (NM_147183) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	KCNIP4 (NM_147183) Human Untagged Clone
Tag:	Tag Free
Symbol:	KCNIP4
Synonyms:	CALP; KCHIP4
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Cell Selection:	None
Fully Sequenced ORF:	>NCBI ORF sequence for NM_147183, the custom clone sequence may differ by one or more nucleotides

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ATGAACTTGAAGGGCTTGAAATGATAGCAGTTCTGATCGTCATTGTGCTTTTTGTTAAATTATTGGAAC
AGTTTGGGCTGATTGAAGCAGGTTTAGAAGACAGCGTGAAGATGAACTGGAGATGGCCACCGTCAGGCA
TCGGCCTGAAGCCCTTGAGCTTCTGGAAGCCCAGAGCAAATTTACCAAGAAAGAGCTTCAGATCCTTTAC
AGAGGATTTAAGAATGAATGCCCCAGTGGTGTGTTAATGAAGAAACCTCAAAGAGATTTACTCGCAGT
TCTTTCCACAGGGAGACTCTACAACATATGCACATTTTCTGTTCAATGCATTTGATACAGACCACAATGG
AGCTGTGAGTTTCGAGGATTTTCATCAAAGGCTTTCCATTTTGCTCCGGGGGACAGTACAAGAAAACTC
AATTGGGCATTTAATCTGTATGACATAAATAAAGATGGCTACATCACTAAAGAGGAAATGCTTGATATAA
TGAAAGCAATATACGATATGATGGGTAAATGTACATATCCTGTCTCAAAGAAGATGCTCCAGACAACA
CGTTGAAACATTTTTTCAGAAAATGGACAAAAATAAAGATGGGGTTGTTACCATAGATGAGTTCATTGAA
AGCTGCCAAAAAGATGAAAACATAATGCGCTCCATGCAGCTCTTTGAAAATGTGATTTAA
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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_147183 unedited ATTTTGTAAATACGACTCACTATAGGGCGGCNCGCGAATTCGCACGAGGTTACAAAGAAAG CCAGGCAGAGGAGCACTTCTCAGTGGCTGTGGTCGGACCATGACCTAGCTGACCATGAAC TTGGAAGGGCTTGAATGATAGCAGTTCTGATCGTCATTGTGCTTTTTGTAAATTATTG GAACAGTTTGGGCTGATTGAAGCAGTTTAGAAGACAGCGTGAAGATGAACTGGAGATG GCCACCGTCAGGCATCGGCCGAAGCCCTTGAGCTTCTGGAAGCCCAGAGCAAATTTACC AAGAAAGAGCTTCAGATCCTTTACAGAGGATTTAAGAACGAATGCCCCAGTGGTGTGTT AATGAAGAAACCTTCAAAGAGATTTACTCGCAGTTCTTTCCACGGGAGACTCTACAACA TATGCACATTTTCTGTTCAATGCATTTGATACAGACCACAATGGAGCTGTGAGTTTCGAG GATTTTCATCAAAGGTCTTTCCATTTTGTCCGGGGGACAGTACAAGAAAACTCAATTGG GCATTTAATCTGTATGACATAAATAAGATGGCTACATCACTAAAGAGGAAATGCTTGAT ATAATGAAAGCAATATACGATATGATGGGTAATGTACATATCCTGTCTCAAAGAAGAT GCTCCCAGACNACACGTTGAAACATTNTTTCAGAAAAATGGACAAAAATAAAGATGGGGGT TGNTACCATAGNATGAGTTCATTGAAAGCTGCCAAAAAGATGAAAACANTATGCGCTTCA TGCAGCTCTTTGAAAATGTGATTTAACTTGTCANATAGATCCTGAATCCACAGACAATGT GACTATTCTACCACCTTAAAGTNGAGCTACCCCTTAGCATC
Restriction Sites:	NotI-NotI
ACCN:	NM_147183
Insert Size:	2500 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
RefSeq:	NM_147183.2 , NP_671712.1
RefSeq Size:	1373 bp
RefSeq ORF:	690 bp
Locus ID:	80333
UniProt ID:	Q6PIL6
Domains:	EFh
Protein Families:	Druggable Genome, Ion Channels: Other
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (4) has an alternate exon which contains an in-frame start codon, as compared to variant 1. Isoform 4, also known as KCHIP4.4, thus has an alternate N-terminus, as compared to isoform 1.</p>