

Product datasheet for **RR209140**

Kcnip4 (NM_181365) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Kcnip4 (NM_181365) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Kcnip4
Synonyms: Kchip4
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR209140 representing NM_181365
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGAACGTGAGAAGGGTGGAAAGCATCTCGGCTCAGCTGGAGGAGCGGAGCTCCACAGGCGGTTTCCTCT
ACGCTCAGAACAACACCAAGCGCAGCATTAAAGAGCGGCTCATGAAGCTTTGCCCTGCTCAGCTGCCAA
AACGTCGTCTCCTGCTATTCAAACAGTGTGGAAGATGAACTGGAGATGGCCACTGTCAGGCACCGGCT
GAAGCCCTGGAGCTGCTGGAGGCCAGAGCAAATTCACCAAGAAAAGAGCTTCAGATCCTTTACAGAGGAT
TTAAGAATGAATGCCCCAGTGGTGTGTTAATGAAGAACTTCAAGGAGATTTACTCGCAGTTCTTCCC
ACAGGGGAGACTCCACCACATATGCACATTTTCTTCAATGCATTGACACGGACCAACAATGGAGCTGTG
AGCTTTGAGGATTTATCAAAGTCTTTCCATTTTGTCTTCGAGGGACAGTACAAGAAAACTGAACTGGG
CATTTAATTTGTATGACATAAACAAGATGGCTACATCACTAAAGAGGAAATGCTGGACATAATGAAAGC
AATTTACGACATGATGGGAAAATGCACATACCCTGTCTCAAGGAAGATGCTCCCCGACAGCACGTGGAG
ACATTTTCCAGAAGATGGACAAGAATAAAGATGGTGTGTTACCATAGACGAGTTTCATTGAAAGTTGCC
AAAAAGATGAAAACATAATGCGCTCCATGCAGCTCTTTGAAAATGTGATC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR209140 representing NM_181365
Red=Cloning site Green=Tags(s)

MNVRVESISAQLEEASSTGGFLYAQNNTKRSIKERLMKLLPCSAAKTSSPAIQNSVEDELEMATVRHRP
 EALELLEAQSKFTKKELQILYRFGKNECPSGVVNEETFKEIYSQFFPQGDSTTYAHFLFNAFDTDHNGAV
 SFEDFIKGLSILLRGTVQEKLNWAFNLIDINKDGYITKEEMLDIMKAIYDMMGKCTYPVLKEDAPRQHVE
 TFFQKMDKNKDGVVTTIDEFIESCQKDENIMRSMQLFENVI

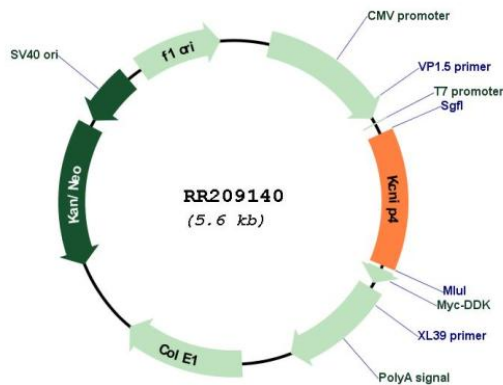
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_181365
ORF Size: 750 bp

OTI Disclaimer:	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. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
Components:	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).
Reconstitution Method:	<ol style="list-style-type: none">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_181365.2 , NP_852030.1
RefSeq Size:	1289 bp
RefSeq ORF:	753 bp
Locus ID:	259243
UniProt ID:	Q99MG9
Cytogenetics:	14q11
MW:	28.8 kDa
Gene Summary:	a potassium channel interacting protein which modulates the opening and closing, and disrupts rapid inactivation of the Kv4 potassium channel [RGD, Feb 2006]