

Product datasheet for **RR200343**

Kcnip2 (NM_020094) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Kcnip2 (NM_020094) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Kcnip2
Synonyms:	Kchip2
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RR200343 representing NM_020094 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGCGGGGCCAAGGCAGAAAGGAGAGTTTGTCCGAATCCCGAGATCTGGACGGCTCCTATGACCAGCTTA
CGGGCCACCCTCCAGGGCCAGTAAAAAGCCCTGAAGCAGCGTTTCTCAAGCTGCTGCCGTGCTGCGG
GCCCAAGCCCTGCCCTCAGTCAGTGAAACATTAGCTGCCCCAGCCTCCCTCCGCCCCACAGACCCCGC
CCGCTGGACCCAGACAGCGTAGAGGATGAGTTTGAATTATCCACGGTGTGTACCAGACCTGAGGGCTGG
AACTCCAGGAACAGACCAAGTTCACACGCAGAGAGCTGCAGGTCTGTACCGAGGCTTCAAGAACGA
ATGCCCCAGTGGGATTGTCAACGAGGAGAACTTCAAGCAGATTTATTCTCAGTTCTTTCCCAAGGAGAC
TCCAGCAACTATGCTACTTTTCTTCAATGCCTTTGACACCAACCACGATGGCTCTGTCAGTTTTGAGG
ACTTTGTGGTGGTTTGTTCGGTATTCTTCGGGGACCATAGATGATAGACTGAGCTGGGCTTTCAACTT
ATATGACCTCAACAAGGACGGCTGTATCACAAGGAGGAAATGCTTGACATTATGAAGTCCATCTATGAC
ATGATGGCAAGTACACATACCTGCCCTCCGGGAGGAGGCCCAAGAGAACACGTGGAGAGCTTCTTCC
AGAAGATGGACAGGAACAAGGACGGCGTGTGACCATCGAGGAATTCATCGAGTCTTGTCAACAGGACGA
GAACATCATGAGGTCCATGCAGCTCTTTGATAATGTCATC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR200343 representing NM_020094
Red=Cloning site Green=Tags(s)

MRGQGRKESLSESRLDGSYDQLTGHPGPSKALKQRFLKLLPCCGPQALPSVSETLAAPASLRPHRPR
 PLDPDSVEDEFELSTVCHRPEGLEQLQEQTKFTRRELQVLYRGFKNECPSGIVNEENFKQIYSQFFPQGD
 SSNYATFLFNAFDTNHDGSVSFEDFVAGLSVILRGTIDDRLSWAFNLYDLNKDGCITKEEMLDIMKSIYD
 MMGKYTPALREEAPREHVESFFQKMDRNDKGVVTIEEFIESCQDENIMRSMQLFDNVI

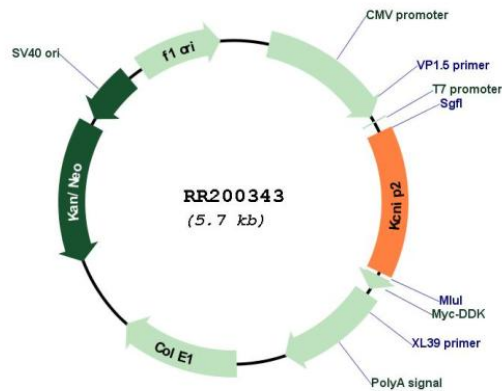
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_020094

ORF Size: 810 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_020094.2 , NP_064479.2
RefSeq Size:	2370 bp
RefSeq ORF:	813 bp
Locus ID:	56817
UniProt ID:	Q9JM59
Cytogenetics:	1q54
MW:	30.9 kDa
Gene Summary:	Ca(2+)-binding protein that acts as an auxiliary subunit for voltage-gated K(+) channels [RGD, Feb 2006]