

Product datasheet for **RR200345**

Kcnip2 (NM_001033961) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Kcnip2 (NM_001033961) 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: >RR200345 representing NM_001033961
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGCGGGGCCAAGGCAGAAAGGAGATTTGTCCGAATCCCGAGATCTGGACGGCTCCTATGACCAGCTTA
CGGACAGCGTAGAGGATGAGTTTGAATTATCCACGGTGTGTACCGACCTGAGGGCCTGGAACAACCTCCA
GGAACAGACCAAGTTCACACGCAGAGAGCTGCAGGTCCTGTACCGAGGCTCAAGAACAATGCCCCAGT
GGGATTGTCAACGAGGAGAACTCAAGCAGATTTATTCTCAGTTCTTTCCCAAGGAGACTCCAGCAACT
ATGCTACTTTTCTTCAATGCCTTTGACACCAACCACGATGGCTCTGTCAAGTTTGGAGACTTTGTGGC
TGGTTTGTCCGGTATTCTTCGGGGACCATAGATGATAGACTGAGCTGGGCTTTCAACTTATATGACCTC
AACAAAGGACGGCTGTATCACAAGGAGGAAAATGCTTGACATTATGAAGTCCATCTATGACATGATGGGCA
AGTACACATACCCTGCCCTCCGGGAGGAGGCCCAAGAGAACACGTGGAGAGCTTCTCCAGAAGATGGA
CAGGAACAAGGACGGCGTGGTGACCATCGAGGAATTCATCGAGTCTTGTCAACAGGACGAGAACATCATG
AGGTCCATGCAGCTCTTTGATAATGTCATC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR200345 representing NM_001033961
 Red=Cloning site Green=Tags(s)

MRGQGRKESLSESRDLGSDYDQLTDSVEDEFELSTVCHRPEGLEQLQEQTKFTRRELQVLYRQFKNECP
 GIIVNEENFKQIYSQFFPQGDSSNYATFLFNAFDTNHDGVSFEDFVAGLSVILRGTIDRLSWAFNLYDL
 NKDGCITKEEMLDIMKSIYDMMGKYTPALREEAPREHVESFFQKMDRNDKGVVTIEEFIESCQQDENIM
 RSMQLFDNVI

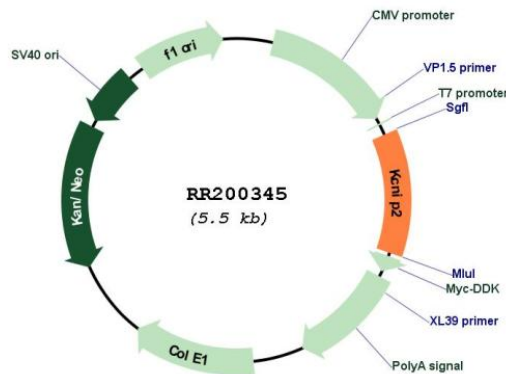
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001033961

ORF Size: 660 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_001033961.1 , NP_001029133.1
RefSeq Size:	2220 bp
RefSeq ORF:	663 bp
Locus ID:	56817
UniProt ID:	Q9JIM59
Cytogenetics:	1q54
MW:	25.6 kDa
Gene Summary:	Ca(2+)-binding protein that acts as an auxiliary subunit for voltage-gated K(+) channels [RGD, Feb 2006]