

Product datasheet for **RR206470**

Kcne2 (NM_133603) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Kcne2 (NM_133603) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Kcne2
Synonyms: Mirp1
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR206470 representing NM_133603
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGACCACTTTAGCCAACCTTGACGCAGACCCTGGAGGATGCCTTCAAAAAGGTTTCATTACTTATATGG
ACAGCTGGAGGAGGAACACAACAGCCGAACAACAGGCGCTCCAGGCCAGAGTGGATGCCGAGAATTCTA
CTACGTCATCCTGTACCTCATGGTGATGATCGGCATGTTTCGCTTCATCGTGGTGGCCATCCTGGTGAGC
ACGGTGAAGTCAAGCGCGGGAGCACTCCAGGACCCGTACCACAGTACATCGTGGAGGATTGGCAGC
AGAAGTATAGGAGTCAGATCTTGATCTGGAAGACTCCAAGGCCACCATCCATGAGAACCTGGGGCGAC
GGGTTACAGTGTACCC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR206470 representing NM_133603
Red=Cloning site Green=Tags(s)

MTTLANLTQTLEDAFKKVFITYMDSWRRNTTAEQQALQARVDAENFYVILYLMVMIGMFAFIVVAILVS
TVKSKRREHSQDPYHQYIVEDWQQKYSQILHLEDSKATIHENLGATGFTVSP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI



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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_133603.2 , NP_598287.1
RefSeq Size:	1744 bp
RefSeq ORF:	372 bp
Locus ID:	171138
UniProt ID:	P63161
Cytogenetics:	11q11
MW:	14.4 kDa
Gene Summary:	small integral membrane subunit which binds with HERG, a pore-forming protein, to alter its channel function [RGD, Feb 2006]