

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 >RR206470 representing NM_133603

Sequence: Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC

GCCGCGATCGCC

GGGGTTCACAGTGTCACCC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT

ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR206470 representing NM_133603

Red=Cloning site Green=Tags(s)

MTTLANLTQTLEDAFKKVFITYMDSWRRNTTAEQQALQARVDAENFYYVILYLMVMIGMFAFIVVAILVS

TVKSKRREHSQDPYHQYIVEDWQQKYRSQILHLEDSKATIHENLGATGFTVSP

TRTRPLEQKLISEEDLAANDILDYKDDDDK**V**

Restriction Sites: Sgfl-Mlul



OriGene Technologies, Inc. 9620 Medical Center Drive, Ste 200

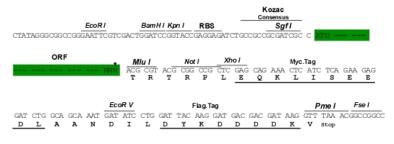
CN: techsupport@origene.cn

Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com



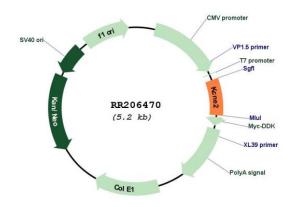
Cloning Scheme:





^{*} The last codon before the Stop codon of the ORF

Plasmid Map:



ACCN: NM_133603

ORF Size: 369 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

ORIGENE

MW:

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: 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: <u>NM 133603.2</u>, <u>NP 598287.1</u>

14.4 kDa

 RefSeq Size:
 1744 bp

 RefSeq ORF:
 372 bp

 Locus ID:
 171138

 UniProt ID:
 P63161

 Cytogenetics:
 11q11

Gene Summary: small integral membrane subunit which binds with HERG, a pore-forming protein, to alter its

channel function [RGD, Feb 2006]