

## Product datasheet for MR200930

### Kcne1l (NM\_021487) Mouse Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Kcne1l (NM\_021487) Mouse Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** Kcne1l  
**Synonyms:** 1500015C14Rik; Kcne5; Mink  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**ORF Nucleotide Sequence:** >MR200930 ORF sequence  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGAAGTCGAGCGAGAGCCAACGGCTGCAAACCTCTTGAACCGCTTGCTGCTGGAGCTGCACCATCGTG  
 GCAACGCCAGCGGCTGGGCATCGGAACCGGCCGAGCATGGGCATGGGGTCTGCCCTGACCCTTCGT  
 GGGCCGCGAGGCGACCAGCGCAAGGTAACGACGTTATCTCTACATCCTACTCATCATGATCTTCTAT  
 GCCTGCCTAGCCGAGGCTCATCCTGGCTACACCCGCTCCCGAAGCTCGTCGAGGCCAAGGATGAGC  
 CACCCCTGGCCTGTGTTGCTGAGCAGGAATGGGTCCCCGCTGCCATCGCATCTGCCGACCCGAGAATGG  
 CCAGGGCTTGCTGGCTGAGGGCGGCCACCAGCTCGCAGCAGGGGCGCTGCCTGCGCTGGCTCAGGGCGCT  
 GAGAGGGTC

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >MR200930 protein sequence  
 Red=Cloning site Green=Tags(s)

MNCSESQRLQTLNRLLELHHRGNASGLGIGTGPSMGMGVVDPFVGREATSAKGNDAYLYILLIMIFY  
 ACLAGGLILAYTRSRLVEAKDEPLACVAEQEWVPAAIASADPENGGQLLAEGGHQLAAGALPALAQA  
 ERV

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** Sgfl-MluI



**Cloning Scheme:**


**ACCN:** NM\_021487

**ORF Size:** 432 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:**
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\\_021487.1](#), [NP\\_067462.1](#)

**RefSeq Size:** 1446 bp

**RefSeq ORF:** 432 bp

**Locus ID:** 66240

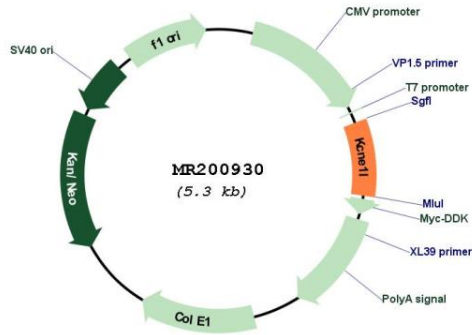
**UniProt ID:** [Q9QZ26](#)

**Cytogenetics:** X F2

**MW:** 15 kDa

**Gene Summary:** Potassium channel ancillary subunit that is essential for generation of some native K(+) currents by virtue of formation of heteromeric ion channel complex with voltage-gated potassium (Kv) channel pore-forming alpha subunits. Functions as an inhibitory beta-subunit of the repolarizing cardiac potassium ion channel KCNQ1.[UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for MR200930