

Product datasheet for MR200709

Kcne1 (NM_008424) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Kcne1 (NM_008424) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Kcne1
Synonyms: Isk; MinK; nmf190
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR200709 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGGATCGCC

ATGAGCCTGCCAATTCCACGACTGTTCTGCCCTTCTGGCCAGGCTGTGGCAGGAGACAGCTGAACAGG
 GCGGCAACGTGTCGGCCTGGCTCGTAAGTCTCAGCTCCGAGATGACAGCAAGCTAGAGGCGCTCTACAT
 CCTCATGGTGCTGGGCTTCTCGGCTTCTCACCTGGGCATCATGCTGAGTTACATCCGATCCAAGAAG
 CTGGAGCACTCCCACGACCCTTCAACGTGTACATCGAGTCAGATGCCTGGCAGGAGAAAGGCAAGGCCG
 TCTTCCAGGCCGTGCTCCTGGAGAGCTTACAGCTTGCTATGTCATTGAAAACCAGCGGCCGTAGAGCA
 GCCTGCCACACACCTTCTGAAGTGAAGCCATTGTCTG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR200709 protein sequence
 Red=Cloning site Green=Tags(s)

MSLPNSTTVLPFLARLWQETAEQGGNVSLARKSQLRDDSLEALYILMVLGFFGFFTLGIMLSYIRSKK
 LEHSHDPFNVIIESDAWQEKGAQVQARVLESFRACYVIENQAAVEQPATHLPELKPLS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI



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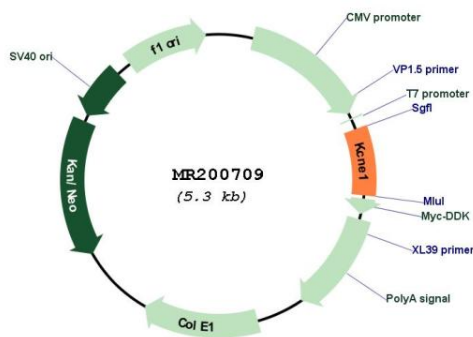
UniProt ID: [P23299](#)

Cytogenetics: 16 53.57 cM

MW: 14.6 kDa

Gene Summary: Ancillary protein that assembles as a beta subunit with a voltage-gated potassium channel complex of pore-forming alpha subunits. Modulates the gating kinetics and enhances stability of the channel complex. Assembled with KCNB1 modulates the gating characteristics of the delayed rectifier voltage-dependent potassium channel KCNB1. Assembled with KCNQ1/KVLQT1 is proposed to form the slowly activating delayed rectifier cardiac potassium (IKs) channel. The outward current reaches its steady state only after 50 seconds. Assembled with KCNH2/HERG may modulate the rapidly activating component of the delayed rectifying potassium current in heart (IKr).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR200709