

Product datasheet for **MR207651**

Kcns2 (NM_181317) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Kcns2 (NM_181317) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Kcns2
Synonyms:	E130006J24Rik; Kv9.2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR207651 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGACCCGCCAGAGCCTGTGGGATGTGCCGATACCGACGTCGAGGATGGAGAGATCCGCATCAATGTGG
 GTGGCTTCAAGAGACGGCTGCGTCCCATACGCTGCTGCGCTCCCTGAGACACGCCTGGGCCGTCTGCT
 CCTCTGCCACTCGCGAGAGGCCATTCTGGAACCTGCGGATGACTACGATGACGTTTCAGCGTGAGTTCTAC
 TTCGACCGTAACCCCGAGCTCTCCCTATGTGTTGCATTTCTACCACACCGCAAGCTTACGTCATGG
 CTGAGCTGTGCGTCTTCTCCTTCAGCCAGGAGATCGAGTACTGGGGTATCAATGAGTTTTCATCGACTC
 TTGCTGCAGCTATAGCTATCACGGCCGAAAGTGAACCTGAGCAGGAGAAATGGGACGAGCAGAGTGAC
 CAGGAAAGCACCCTTCTCCTTCGATGAGATCTTGGCCTTCTATAATGATGCTTCCAAGTTCGATGGGC
 AACCCCTGGGCAACTCCCGCAGGACGCTGTGGCTGGCGTTGGACAACCCAGGCTACTCAGTCTAAGCAG
 GGTCTTCAGTGTCTTTCCATCTTGGTGGTGTGGGCTCCATCATCACCATGTGCCTCAATAGCCTGCCA
 GACTTCCAAATCCCTGATAGCCAGGGTAACCCCGTGAAGACCCAGGTTGAAAATTGTGGAGCACTTTG
 GCATTGCTTGTTTACATTTGAGTTGGTGGCCAGGTTTGTGTGGCCCTGACTTTCTTAAAGTTCTTCAA
 GAATGCTCTAAACCTTATTGATCTCATGTCCATTGTCCATTTTACATAACTCTAGTGGTGAACCTGGTG
 GTGGAGAGTTCTCCTACCTTGGCTAACTTGGGCAGGGTGGCTCAAGTCTGAGGCTAATGAGGATCTTCC
 GAATTCTCAAGCTGGCCAGACACTCCACTGGCCTCCGCTCCTTGGGAGCCACCCTGAAGTACAGTACAA
 GGAAGTGGGGTTGCTCTTGTCTACCTCTCAGTGGGGATTCCATCTTCTGTGGTGGCCTACACCATT
 GAAAAGGAGGAGAACAAGGCCCTGGCCACCATCCCTGCCTGCTGGTGGTGGGCCACTGTGAGTATGACCA
 CAGTTGGGTACGGAGATGTGGTCCAGGACAACAGCTGGGAAGTTGACTGCCTCTGCCTGAGTCTTGGC
 AGGCATCCTGGTGGTGGTCTTGCCCATCACTTTGATCTTCAATAAGTTCTCCATTCTATCGGCGCCAA
 AAGCAACTTGAGAGTGCTATGCGCAGCTGTGACTTTGGAGATGGAATGAAAGAGGTCCCTTCGGTCAATT
 TAAGGGACTACTATGCTCATAAAGTTAAGTCCCTCATGGCAAGTCTGACAAACATGAGTAGGAGTTCACC
 TAGTGAAGTGAAGTTAGATGATTCTCTACAT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR207651 protein sequence
 Red=Cloning site Green=Tags(s)

MTRQSLWDVSDTDVEDGEIRINVGGFKRRLRSHTLLRFPETRLGRLLLCHSREAILELCDDYDDVQREFY
 FDRNPELFPYVLHFYHTGKLHVMAELCVFSFSQIEIYWGINEFFIDSCCSYSHGRKVEPEQEKWDEQSD
 QESTTSSFDEILAFYNDASKFDGQPLGNFRRQLWLALDNPYVLSRVFVLSILVVLGSIITMCLNSLP
 DFQIPDSQGNPGEPRFEIVEHFGIAWTFELVARFAVAPDFLKFKNALNIDLMSIVPFYITLVVNLV
 VESSPTLANLGRVAQVLRMRIFRILKLARHSTGLRSLGATLKYSYKEVGLLLL YL SVGISIFS VVAYTI
 EKEENEGLATIPACWWWATVSMTTVGYGDVVPGTAGKLTASACILAGILVVLPITLIFNKF SHFYRRQ
 KQLESAMRSCDFGDGMKEVPSVNLRDYYAHKVKSLMASLTNMSRSPSELSDDSLH

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites:

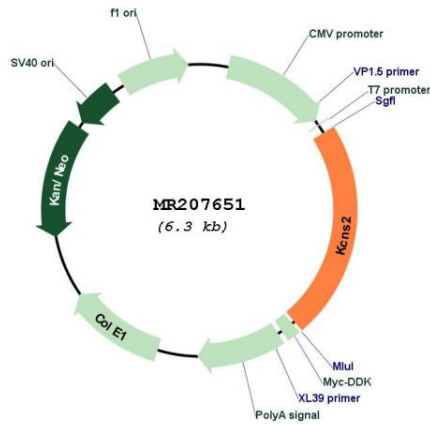
Sgfl-Mlul

Cytogenetics: 15 B3.1

MW: 54.3 kDa

Gene Summary: Potassium channel subunit that does not form functional channels by itself. Can form functional heterotetrameric channels with KCNB1 and KCNB2; modulates the delayed rectifier voltage-gated potassium channel activation and deactivation rates of KCNB1 and KCNB2 (PubMed:9305895).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR207651