

Product datasheet for **MR209572**

Kcnc4 (NM_145922) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Kcnc4 (NM_145922) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Kcnc4
Synonyms:	AI850292; Kcr2-4; KSHIIC; Kv3.4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR209572 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGATCAGCTCGGTGTGTCTCCTACCGCGGGCGAAGTCGGGAACAAGCCTCCGTCCAAAACAT
 GTCTGAAGGAGGAGATGGCCAAGGGCGAGGCGTCGGAGAAGATCATCATCAACGTGGGCGGCACCGGACA
 TGAGACCTACCGCAGCACCTGCGCACCTACCGGCACCCGCTTGCCTGGTTGGCGGATCCCGACGGC
 GGGGGTCGGCCAGAGTCGGATGGCGCGGTGCAGGCAGCAGCGCAGCAGCGCGCGCGCGCGCGCGG
 GGGGCTGTGAGTCTCTTTGATCGGCACCCGGGTGTTTTGCCTATGTGCTCAACTACTACCGTACGGG
 CAAGCTGCATTGCCCCGAGACGCTGTGGCCTCTCTTTGAGGAAGAGCTCACCTTCTGGGGTATCGAT
 GAAACAGATGTGGAACCTGCTGCTGGATGACCTACCGGCAGCACCGGATGCTGAGGAGGCACTGGACA
 TCTTCGAGAGCCCGACGGGGCGGGGTGGCGCAGGGCCAGGCGACGAGGCTGGCGACGATGAGCGGGA
 GTTGGCCTTGACGCGCTGGGCCCCATGAAGGAGGCTCTGGCCCTGGTCTGGTCCGGAGGGTGCCT
 GGCTGGCAGCCCCGAATGTGGCGCTCTTCGAGGATCCCTACTCATCCCGGGCGGCCAGGGTGGTAGCCT
 TTGCCTCTCTCTTCTTATCTTGGTCTCCATTACCACCTTCTGCCTGGAGACCCATGAGGCTTCAACAT
 TGACCGAAACGTGACGGAGATTCATCGGGTAGGGAATATCACCAGCGTGCCTTCCGGCGGGAGGTAGAA
 ACAGAGCCATTCTTACCTACATCGAGGGTGTGTGCGTGTGGTTCACTCTAGAGTTCCTGGTTCCGA
 TTGTGTGCTGCCCTGATACGCTGGACTTTGTCAAGAACTGTCTCAACATCATCGACTTTGTGGCCATCTT
 ACCCTTTTACCTGGAGGTGGGATTGAGTGGTTGTCTTCAAGGCAGCTCGCGATGTGCTGGGTTTCTGT
 CGTGTGGTACGCTTTGTACGCATCTCGCGATCTTCAAGCTCACACGCCACTTTGTGGGGCTGCGTGTGC
 TAGGCCACACTCTCCGGCCAGCACTAATGAGTTCCTGTTGCTTATCATCTTCTTGGCCCTGGTGTGCT
 CATCTTCCGCCACCATGATCTATTATGCCGAGCAATTGGGGCCAGGCCATCTGACCCACGGGCAACGAC
 CACACCGACTTCAAGAACATCCCCATCGTTTTCTGGTGGGCTGTGGTACCATGACAACGCTTGGCTATG
 GGGACATGTATCCCAAGACGTGGTCAAGAAATGTTGGTGGGTCGCTGTGTGCGCTGGCTGGTGTGCTGAC
 CATTGCCATGCCCGTGCCTGTATCGTCAATAACTTTGGTATGTACTACTCCCTGGCTATGGCCAAGCAG
 AAGCTGCCAAGAAGCGAAAGAAGCACGTACCACGGCCACCCAGCTCGAATCGCCATTTACTGCAAGT
 CTGAGGAGACTTACCCCGGACAGCACCTACAGTGACACCAGCCCCCTGCCGGGAAGAGGGTGTGGT
 CGAGAGGAAACGGCCGACTCTAAGCAGAATGGCGATGCTAATGCGGTGTGTCTGATGAGGAGGGAGCT
 GGCTCACTCAGCCCTTGGCCTTGGCCCCACCCCTGAAGAGCGTCGGGCCCTGAGACGCTCAGGCACGC
 GGGACAGAAACAAGAAGGAGCTGCCTGCTTCTGCTCAGTGCTGGGGACTATGCCTGTGCTGATGGCAG
 TGTCGGAAAGAAGGCAATGTTGAGCCGAAAGCGTGCCTCCAGTGTCTCACACCTGTGCTCT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR209572 protein sequence
 Red=Cloning site Green=Tags(s)

MISSVCVSSYRGRKSGNKPPSKTCLKEEMAKGEASEKIIINVGGTRHETYRSTLRLTLPGTRLAWLADPDG
 GGRPESDGGGAGSSGSSGGGGGGGCEFFDRHPGVFAYVLNYYRTGKLHCPADVCGPLFEEELTFWID
 ETDVEPCWMTYRQHRDAEEALDIFESPDGGGGGAGPGDEAGDDERELALQRLGPHEGGSGPGAGSGGCR
 GWQPRMWALFEDPYSSRAARVAFASLFFILVSIITTFLETHEAFNIDRNVTEIHRVGNITSVRFRREVE
 TEPIITYIEGVCVMWFTLEFLVRIVCCPDTLDFVKNLLNIIDFVAILPFYLEVGLSGLSSKAARDVLGFL
 RVVRFVRLRIFKLRHFVGLRVLGHTLRASTNEFLLIIFLALGVLIFATMIYYAERIGARPSDPRGND
 HTDFKNIPIGFWWAVVTMTLGYGDMYPKTWSGMLVGALCALAGVLTAMPVPVIVNFMGYSLAMAKQ
 KLPKRRKHVPRPPQLESPIYCKSEETSPRDSTYSSTPAREEGVVERKRADSKQNGDANAVLSDEEGA
 GLTQPLALAPTPEERRALRRSGTRDRNKKAAACFLLSAGDYACADGSRKEGNEVPKACVPVSHTCAL

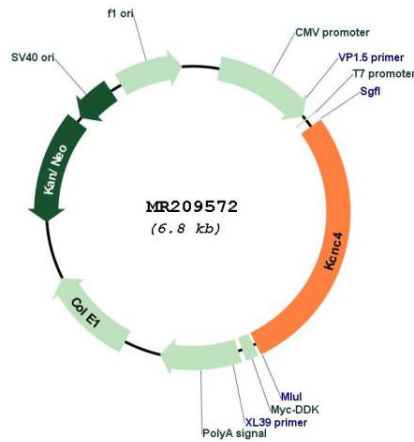
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Cytogenetics: 3 46.83 cM

MW: 68.7 kDa

Gene Summary: This protein mediates the voltage-dependent potassium ion permeability of excitable membranes. Assuming opened or closed conformations in response to the voltage difference across the membrane, the protein forms a potassium-selective channel through which potassium ions may pass in accordance with their electrochemical gradient (By similarity). [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR209572