

Product datasheet for **MC217125**

Kcnf1 (NM_201531) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Kcnf1 (NM_201531) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Kcnf1
Synonyms:	Gm1182; Kv5.1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF:	>MC217125 representing NM_201531 Red=Cloning site Blue=ORF Orange=Stop codon TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCCGCGATCGCC ATGGAACCGGGCTTGAAGCGAACCCGCGGGGAGCATGGACGCATCTGCTGAGCAAAGCCTCCCGGAGC CAGGCAGCCAGGACTCCGTGGCAGGCGAAGACATTGAGATCGTGGTAAATGTGGGGGCGTGCGGCAGGT GCTCTACGGAGACCTGCTCAGCCAGTACCCTGAGACCCGGTTGGCAGAGCTCATCAACTGTTTGGCGGGG GGCTACGACACCATTCTCTCTGTGCGACGATTACGATCCGGGCAAGCGCAATTCTACTTTGACCGGG ACCCAGACGCGTTCAAGTGTGTCATTGAGGTATACTATTTGCGGGAGGTCCACATGAAGAAGGGCATTG CCCCATCTGCTTCAAGAACGAGATGGACTTCTGGAAGGTGGACCTCAAATTCCTGGATGACTGTTGCAAG AGCCATCTGAGCGAGAAGCGCGAGGAGCTGGAGGATCGCGCGCAGGGTGCAGCTCATCTTGGACGACC TGGGTGTTGACGCTGCTGAGGGCCGCTGGCGCCGCTGCCAGAAGTGTGCTGGAAGTTCTAGAGAAGCC GGAGTCTTCATGCCCTGCGCGGGTGGTGGCGGTTCTATCCTTCCTGCTCATCCTTGTCTCCTCCGTGGTC ATGTGCATGGGTACCATACCCGAGCTGCAAGTGGTGGACTCCGAAGGCAACCGCGTGGAGACCCAAACGC TGGAGAACGTAGAGACGGCTTGCATCGGCTGGTCACTCTGGAGTACCTGCTGCGCCTCTTCTCATCGCC CAACAAGCTTCACTTTGCCCTGTCTTCATGAACATCGTGGATGTGCTGGCCATTCTCCCTTCTATGTG AGCCTCACACTCACGCACCTGGGCGCAAGAATGATGGAGCTGACCAACGTACAGCAGGCAGTGCAGGCC TGAGGATCATGCGCATCGCACGCATCTCAAACGGCCCGCCACTCCTCCGGCCTGCAGACCCCTCACCTA CGCCCTCAAGCGCAGTTTCAAGGAACGGGGCTATTGCTTATGTATCTGGCCGTGGGCATCTTCGCTTTT TCCGACTGGGCTACACCATGGAGCAGAGCCATCTGAAACTGTTCAGAGCATCCCCAGTCCTTCT GGTGGGCTATCATCACCATGACCACAGTGGGCTATGGTGACATCTACCCCAAGACCACCTGGGCAAGCT CAACGCAGCCATCAGCTTCTTGTGGGGTAATTGCCATTGCCCTGCCATTACCCCATCATTAAACAAC TTTGTCAGGTAATAACAACAACGTGTCTGGAGACGGCAGCCAAGCATGAGCTGGAGCTGATGGAGC TCAACTCCAGCAGTGCAGAAGGCAAGCCCGGGGTTCTCGCAGCGACCTGGACACCCTGCCCCAGAGCC TGCTGCCAGGGAGGGGCAAGCTGGGGTAGCCGGCTGAAGCTCTCACACAGCGATACCTTCATCCCTG CTGACAGAGGAGAAGCATCATAGGACCCGCTACAGAGTTGCAAGTGA
	AGCGGACCGACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC TGGATTACAAGGATGACGACGATAAGGTTTAA
Restriction Sites:	Sgfl-RsrII
ACCN:	NM_201531
Insert Size:	1518 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
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_201531.3](#), [NP_963289.2](#)

RefSeq Size: 4819 bp

RefSeq ORF: 1518 bp

Locus ID: 382571

UniProt ID: [Q7TSH7](#)

Cytogenetics: 12 A1.1

Gene Summary: Putative voltage-gated potassium channel.[UniProtKB/Swiss-Prot Function]