

Product datasheet for **RN208334**

Kcnb2 (NM_054000) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Kcnb2 (NM_054000) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Kcnb2
Synonyms:	Kv2.2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >RN208334 representing NM_054000
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCAGAAAAGGCACCTCCTGGCTTGAACAGAAAACATCCAGGTCAACACTTTCTCTTCTCCAGAAC
 CAGTGGACATTATCCGAAGCAAAACATGCTCTCGGAGAGTTAAGATCAACGTAGGGGCCCTTAACCACGA
 AGTCTGTGGAGAACTCTGGACAGGCTACCCAGGACGCGCCTGGGGAAGCTCCGAGACTGTAACACGCAC
 GAGAGTCTCCTGGAGGTGTGCGATGACTACAACCTTAATGAGAATGAGTATTTCTTCGACCGCCATCCTG
 GAGCCTTACATCTATTCTGAATTCTACCGACGGGAAAGCTCCACATGATGGAAGAAATGTGTGCCCT
 CTCCTTTGGCCAAAGACTTGATTACTGGGGCATCGATGAGATCTACCTAGAGTCTGCTGCCAAGCCAGA
 TACCATCAGAAGAAGGAGCAGATGAACGAAGAAGTTAGAAGGGAGGCAGAGACCATGCGTGAGCGCGAGG
 GGGAGGAGTTTGATAACACCTGTGCCAGAGAAAAGGAAGAACTTTGGGACTTGCTGGAGAAGCCGAA
 CTCATCCGTGGCGCAAAGATCCTGGCCATCGTGTCTATCCTGTTTCATCGTCCTTTCCACCATTGCTCTG
 TCTCTAACACACTTCCGGAGCTGCAAGAAAACGATGAATTTGGGCAACCCAGTGACAACCGGAAGTTGG
 CGCACGTAGAGGCTGTGTGCATTGCTTGGTTTACCATGGAGTACCTTTTACGATTCCTGTCTCACCAAAA
 TAAATGAAAATTTCTTAAAGGCCACTGAATGTCATTGACCTCCTGGCCATCTTGCCATACTATGTAACC
 ATCTTCTCACCGAGTCCAACAAAAGTGTGCTGCGATTCAGAAATGTGAGACGCGTGGTCCAGATCTTTC
 GAATCATGCGCATCCTCAGGATCCTGAAACTCGCCAGACACTCGACGGCCTGCAGTCTCTGGGTTTTCAC
 CCTCAGGCGGAGTTACAATGAGTTGGGTTTATTAATACTGTTTCTGGCCATGGGAATAATGATATTTTCC
 AGTTTGGTGTTCGCTGAGAAAAGATGAAGATGCTACAAAGTTCACCAGTATCCCTGCATCATTGTTGGT
 GGGTACCATCACCATGACCCTGTGGCTATGGTGACATTTACCTAAAACACTGTTAGGGAATTTGT
 GGGTGGCCTTTGCTGCATTGACAGGAGTCTGGTTATTGTCCTTATCCCATCATTGGAACAATTTTC
 TCTGAGTTCTATAAGGAACAAAACGCCAGGAGAAAGCTATTAAGGAGAGAGGCTCTTGAAAGAGCCA
 AAAGAAATGGAAGCATCGTTTCTATGAACTTAAAGGATGCCTTTGCTAGAAGTATGGAAGTATCGACGT
 GGCCGTGGAGAAGGCTGGAGAGTCCGCAATATCAAGGACTCCGTGGATGATAACCACCTGTCTCCAAGC
 CGGTGGAAGTGGCCAGAAAGGCGCTGTGGAACAAGCTCCAACAAGTCTTACGAGAATAAGTACCAGG
 AGGTTAGCCAAAAGACTCCACGAACAGCTGAACAACACTTCTTCTCCAGCCACAGCATCTGAGCGC
 CCAGAAGCTGGAGATGCTATAAATGAAATCACAAGACACAGACTCATTCCACCCGAACCCAGACTGC
 CAAGAACAGCCAGAGAGGCCATCTGCCTATGAGGAGGAGATAGAAATGGAAGAGGTGGTCTGCCACAGG
 AGCAGCTGGCTGTGGCAGACAGCCGAGGTGATCGTGGACATGAAGAGCACCTCCAGCATTGACAGCTTAC
 CAGCTGTGCCACTGACTTACGGAGACTGAGAGGTCACCCCTGCCACCACCTCTGCCTCTCACTTGCA
 ATGAAGTTCCCCACCGACCTCCAGGAAATGGATGAGCACCAGAGGTCAGGGCACCTCCATTCTAACAC
 TAAGCAGAGATAAGGGGCTGTGCCAGGGAGGCTGACTGGATTATGCCCAATTGACATAACTGTGAA
 CCTCGATGCTGGGGCTTCCATGGTCTTTGCAACCTGACAGTCCAGGACAGCCCCAAGAGCTCGCTG
 AAAGGGAGCAACCCCTCAAGTCTAGATCCCTAAAAGTGAACCTTTCAGGAAAACAGAGGCAGTGCACCC
 AGACCCACCCAGCACAGCCAGGCCACTGCCAGTAACCACAGCTGACTTCCGCTCACACCCCCAGCA
 CATGAGTACCATTCTTCTAGAAGAAGCCTCCCCAGGGACAGAGACCTTGGCGGGGCTGATGTTTCA
 GCACACTGTGAGGACCATCAAAGGTCTATCCCAAGGTTCCCAAGCAAAAAGTGTTCCTTTCTCTT
 CTAGAGAAAGGAGGAGCTTCACTGAAATAGACTGGAGAAGACGAAGACTTCTTGGACCTCAAAGGCC
 AAGACCAGACAAGCAAGCAGATCCAGCCCAACTGCTTAGCAGATAAGCCTGGAGAGGCCAGAGACCCT
 TTAAGAGAAGAGGCTGTGTGGTTCTCTCTCCCCAGAACACAGACCACAAGTGTAGGCAAGACATTT
 ACCAGGCTGTGGTGAAGTCAAAAAGGACAGTAGTCAAGAAGGGTACAAGATGGAGAACCCTTGTGTTGC
 CCCAGAAATTCATTCTAACCCAGGAGACACAGGTTATTGCCCCACTCGTGAACACAGCATG**TGA**

AG**CGGACCG**ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
 TGGATTACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-RsrII
ACCN: NM_054000

Insert Size:	2724 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:	<ol style="list-style-type: none">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:	<u>NM_054000.2</u> , <u>NP_446452.2</u>
RefSeq Size:	3230 bp
RefSeq ORF:	2724 bp
Locus ID:	117105
Cytogenetics:	5q11
Gene Summary:	delayed rectifier potassium channel [RGD, Feb 2006]