

Product datasheet for **RN207497**

Kcnb1 (NM_013186) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Kcnb1 (NM_013186) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Kcnb1
Synonyms:	DRK1PC; Kcr1-1; Kv2.1; Shab
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN207497 representing NM_013186
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGACGAAGCATGGCTCGCGCTCCACCAGCTCGTGCCGCCAGCCATGGAGATCGTGCCGACGAAGG
 CGTGCTCGCGCCGGTGCCTCAACGTCGGGGCCTGGCGCACGAGGTGCTGTGGCGCACTCTGGACCG
 CCTGCCCGCACGCGCTGGCAAGCTTCGGGACTGCAACACGCACGACTCCCTGCTCCAGTGTGCGAC
 GACTACAGCCTTGAGGACAACGAGTACTTCTTCGACCGCCACCCTGGCGCTTTACCTCCATTCTCAATT
 TCTACCGACCGCCGGCTGCACATGATGGAGGAGATGTGCGCGTGAGCTTCAGCCAGGAGCTGGACTA
 CTGGGGCATCGATGAGATCTACCTGGAGTCTGCTGCCAGGCCGCTATCACAAAAGAAGGAGCAGATG
 AACGAGGAGCTGAAGCGGAGGCCGAGACGCTGCGGGAGCGGGAGGGCGAGGAGTTGACAACACGTGCT
 GTGCAGAGAAGAGGAAGAACTCTGGGATCTGCTGGAGAAGCCAACTCGTCGGTGGCCGCAAGATCCT
 GGCCATCATCTCGATCATGTTTCATCGTCTGTCCACCATCGCTCTGTCACTCAACACGCTGCCTGAGCTG
 CAGAGCCTAGACGAGTTCGGCCAGAGCACGGATAACCCGACGCTGGCGCACGTGGAGGCGGTGTGCATCG
 CATGGTTCACCATGGAGTACTTGTGAGGTTCTGTCTCCCCAAGAAATGGAAGTTCTTCAAGGGCCC
 CCTCAACGCCATTGACCTACTGGCCATCCTGCCCTACTACGTACCATCTTCTCACAGAATCCAACAAG
 AGCGTGTGCAGTTCAGAACGTGCGCCGCGTGGTCCAGATCTTTCGCATCATGCGCATCCTTCGGATCC
 TGAAGCTGGCCGTCCTCACTGGCCTGCAGTCTTGGGCTTCAACCCTGCGCAGAAGCTACAACGAACT
 GGGCCTGCTATCCTCTTCTCGCATGGGCATCATGATCTTCTCCAGCCTGGTCTTCTTCGCGGAGAAG
 GATGAGGACGACCAAGTTCAAAAGCATCCCCGCTCTTCTGGTGGGTACCATCACCATGACAACCTG
 TTGGCTATGGAGACATCTACCCGAAGACTCTCCTGGGAAAAATCGTGGGGGGCTCTGTTGCATTGCCGG
 GGTCTGGTATTGCTCTCCCCATCCCCATCATCGTCAATAACTTCTCCGAGTTCACAAGGAGCAGAAG
 CGCCAGGAGAAAGCCATCAAGCGGAGGGAGGCTCTGGAGAGAGCCAAGAGGAATGCGAGCATCGTGTCCA
 TGAACATGAAGGACGCTTCGCCCGGAGCATCGAGATGATGGACATCGTGGTGGAGAAAAATGGCGAGAG
 CATAGCTAAGAAGGATAAAGTGAAGATAACCACCTGTCCCCAACAAGTGGAAATGGACCAAGAGGGCA
 CTCTCCGAGACCAGCTCCAGTAAGTCTTGAACCAAGGAGCAGGGATCCCCGAAAAGGCCAGGTCTCT
 CGTCTAGTCCACAGCACTGAACGTCCAGCAGTGAAGACATGTACAGTAAGATGGCCAAGACACAGTC
 CCAGCCATCCTCAACACCAAGGAGATGGCCCCGAGAGCAAGCCTCCAGAGGAGCTGGAGATGAGCAGC
 ATGCCAGCCCCGTGGCCCTCTGCCCGCACGACGGAGGGCTCATCGACATGCGGAGCATGTCCAGCA
 TTGACAGTTCATCAGCTGTGCCACGGACTTCCCTGAAGCCACCAGATTCTCCACAGTCTCTGGCATC
 CCTCTCCAGCAAGGCTGGGAGCAGCACAGCCCCGAGGTGGGCTGGCGGGGGGCTCTGGGTGCCAGCGGC
 GGGAGGCTCACGGAGACCAACCCATTCTGAGACCAGCCGCTCTGGTTTCTTCGTGGAGAGTCCCAGGA
 GTTCCATGAAGACCAACAACCCCTTGAAGCTGCGAGCGCTCAAGGTCAACTTCGTGGAGGGCGACCCAC
 CCCGCTGCTGCCCTCCCTGGGCTGTATCACGATCCTCTTAGGAACAGAGGAGGGGCGAGCGGCTGCAGT
 GCGGGACTGGAGTGTGCCTCCCTCTTAGACAAGCCGCTGAGCCCAGAGTCTCCATCTACACCACAG
 CAAGTGCCAGGACGCCCCCTCGTCCCCGAGAAACACACAGCAATAGCATTCAACTTCGAGGCGGGAGT
 CCACCATTACATAGACACCGACACAGATGACGAGGTCAGTGTCTACAGCGTGGACTCCAGCCCCTCCC
 AAAAGTCTCCACGGGAGTACCAGTCCCAAGTTCAGCACTGGAGCTAGAACGGAGAAGAACCCTTCGAGA
 GCTCCCCCTTGCCACCTCCCCTAAGTTCTTAAGGCCAACTGTGTCTACTCCTCAGAAGGGTTGACTGG
 AAAAGGCCCTGGGGCTCAAGAGAAATGCAAGCTGGAGAACCATACCCCCGGATGTGCACATGCTGCCT
 GGGGGAGGAGCACACGGGAGCACTAGGGATCAGAGTATC**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_013186
Insert Size: 2562 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:	NM_013186.1 , NP_037318.1
RefSeq Size:	3348 bp
RefSeq ORF:	2562 bp
Locus ID:	25736
UniProt ID:	P15387
Cytogenetics:	3q42
Gene Summary:	voltage gated potassium channel; involved in the excitability in nerve and muscle [RGD, Feb 2006]