

Product datasheet for RN214330

Kcnab1 (NM_017303) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Kcnab1 (NM_017303) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Kcnab1
Synonyms:	KvBeta3
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>RN214330 representing NM_017303 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGC**C

ATGCAAGTCTCCATAGCCTGCACAGAGCACAATTTGAAGAGTCGAAATGGTGAGGACCGACTTCTGAGCA
AGCAGAGCTCCACCGCCCCAATGTGGTGAACGCAGCCCGGCCAAATCCGCACTGTCGCTATCATCGC
TCGCAGCTGGGGACCTCACCCCTCAGCATCACATTTCTCTCAAAGAGTCCACTGCAAAGCAGACTGGC
ATGAAATATAGGAATCTTGGGAAATCAGGACTCAGAGTTTCGTGCTTGGGTCTTGAACATGGGTGACAT
TCGGAGGTCAAATTTAGATGAGGTTGCTGAACGGCTGATGACAATTGCCTATGAGAGTGGAGTTAATCT
CTTCGACACTGCAGAAGTCTATGCTGCTGGGAAGGCTGAGGTGATTCTGGGGAGCATCATCAAGAAGAAA
GGCTGGAGGAGTCAAGCTTGGTCATCACAACTCTACTGGGGTGGAAAAGCCGAAACAGAAAGAG
GATTGTCAAGAAAGCACATCATTGAAGGACTGAAAGGCTCCCTCCAGAGGCTGCAACTGGAATATGTGGA
CGTGGTCTTTGCAATCGCCAGACAGCAACACCCCATGGAAGAAATCGTTCGAGCCATGACGCACGTG
ATCAACCAAGGCATGGCAATGTACTGGGCACCTCGAGGTGGAGCGCGATGGAGATCATGGAAGCCTACT
CTGTGCGCGGCAGTTCAACATGATCCCGCTGTCTGTGAGCAAGCTGAGTATCATCTTTTCCAGAGAGA
AAAGGTGGAGTCCAGCTGCCAGAGCTCTACCATAAAATAGGGTTGGTGAATGACATGGTCTCCACTT
GCTTGTGGAATTATTTAGGAAAATATGAAAATGGGGTGCAGAAAAGTTCTAGAGCTTCACTGAAGTCT
ACCAGTGGTTGAAGGAAAGGATTGTAAGTGAAGAAGGGAGAAAACAGCAAAACAAGCTGAAAACCTCTC
TCCAATTGCTGAACGCCTGGGATGCACACTACCTCAGCTGGCTGTGGCATGGTGCCTGAGAAACGAGGGT
GTGAGCTCTGTGCTGCTGGGATCATCCACTCCTGAACAACTATTGAAAACCTTGGTGCCATTAGGTCC
TCCCTAAGATGACATCACATGTGGTAAATGAGATTGATAACATATTGCGCAACAAGCCCTACAGCAAAA
GGACTATAGATCC**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Restriction Sites:	Sgfl-Mlul
ACCN:	NM_017303
Insert Size:	1206 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_017303.2</u> , <u>NP_058999.1</u>
RefSeq Size:	3522 bp
RefSeq ORF:	1206 bp
Locus ID:	29737
UniProt ID:	<u>P63144</u>
Cytogenetics:	2q31
Gene Summary:	beta subunit of potassium channel involved in alteration of channel activation kinetics [RGD, Feb 2006]