

Product datasheet for **SC103521**

KCNRG (BC032343) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	KCNRG (BC032343) Human Untagged Clone
Tag:	Tag Free
Symbol:	KCNRG
Synonyms:	DLTET; OTTHUMP00000178641; potassium channel regulator
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Cell Selection:	None
Fully Sequenced ORF:	>NCBI ORF sequence for BC032343, the custom clone sequence may differ by one or more nucleotides

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ATGAGTAGTCAGGAAGTGGTCACTTTGAATGTGGGAGGGAAGATATTCACGACAAGGTTTTCTACGATAA
AGCAGTTTTCTGCTTCTCGTTTGGCACGCATGTTAGATGGCAGAGACCAAGAATTCAGATGGTTGGTGG
CCAGATTTTTGTAGACAGAGATGGTGATTTGTTTAGTTTCATCTTAGATTTTTGAGAACTACCAGCTT
TTATTACCACTGAATTTTCAGACTATCTTAGGCTTCAGAGAGAGGCTCTTTTCTATGAACCTCGTTCTC
TAGTTGATCTCTTAAACCCATACCTGCTACAGCCAAGACCTGCTCTTGTGGAGGTACATTCCTAAGCCG
GAACACTCAAGCTTTTTTCAGGGTGTGGCTCTTGCAGCAAAACAATTGAGATGCTAACAGGGAGGATT
ACAGTGTTTACAGAACAACCTTCAGCGCCGACCTGGAATGGTAACTTTTCCCTCCTCAGATGACCTTAC
TTCCACTGCCTCCACAAAGACCTTCTTACCATGACCTGGTTTTCCAGTGTGGTTCTGACAGCACTACTGA
TAACCAAACTGGAGTCAGGTATGTTTCTATAAAACCTGATAAACCAGAAATTTGGCCAACGGAACAAATGTC
CTCGGCTTACTGATTGACACTTTATTAAGGAAGGCTTTCATTTGGTCAGCACTAGAACAGTATCTTCTG
AAGACAAAAGTGAATGCTATAGCTTTGAAAGGATAAAAAGCCCTGAAGTGCTCATCACGAATGAAACACC
AAAACCAGAGACTATCATCATACCAGAGCAATCTCAGATAAAGAAATGA
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5' Read Nucleotide Sequence:	>OriGene 5' read for BC032343 unedited GGGCGGCCCGCAATTCGCACGAGGTGATTATGCAGTGGAGGGGAGGAAGAATAACTAG CAACATTTATGGTTATAGGTTGATTTTCTAAGTGTGGCTGATGGTAGCCTCTAGTTTGAA GTGAGGGAAGAATGAGTAGTCAGGAACGGTCACTTTGAATGTGGGAGGGAAGATATTCA CGACAAGGTTTTCTACGATAAAGCAGTTTCTGCTTCTCGTTTGGCACGCATGTTAGATG GCAGAGACCAAGAATTCAAGATGGTTGGTGGCCAGATTTTTGTAGACAGAGATGGTGATT TGTTTAGTTTTCATCTTAGATTTTTTGAGAACTCACCAGCTTTTATTACCCACTGAATTTT CAGACTATCTTAGGCTTCAGAGAGAGGCTTTTTCTATGAACCTCGTTCTCTAGTTGATC TCTTAAACCCATACCTGCTACAGCCAAGACCTGCTCTTGTGGAGGTACATTTTCTAAGCC GGAACACTCAAGCTTTTTTTCAGGGTGTGGCTCTGCAGCAAAACAATTGAGATGCTAA CAGGGAGGATTACAGTGTTCAGAAACAACCTTCAGCGCCGACCTGGAATGGTAACTTTT TCCCTCTCAGATGACCTTACTTCCACTGCCTCCCAAAGACCTTCTTACCATGACCTGNT TNNTCCAGTGTGGTTCTGACAGCACTACTGATAACCAACTGGAGTCAGGTATTNTGACT TTGCAGTATTTCTTGTATACCAGTTTGTGATGTTTTCTCTAAAACCTTTGAAGTNCCTCA GGCCTGTAACCTTCTGAAAGATGATATTCANAATATGGTTTGGGGTACCAATGGAATTGG GTAAAATGACAAATATTATTTTCAACT
Restriction Sites:	NotI-NotI
ACCN:	BC032343
Insert Size:	3000 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>BC032343.1</u> , <u>AAH32343.1</u>
RefSeq Size:	1366 bp
RefSeq ORF:	819 bp
Locus ID:	283518
Cytogenetics:	13q14.2
Domains:	BTB, K_tetra

Gene Summary:

This gene encodes a protein which regulates the activity of voltage-gated potassium channels. This gene is on chromosome 13 and overlaps the gene for tripartite motif containing 13 on the same strand. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Feb 2012]