OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for SC211717

KCNT1 (NM_020822) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	KCNT1 (NM_020822) Human 3' UTR Clone
Vector:	pMirTarget (PS100062)
Symbol:	KCNT1
Synonyms:	bA100C15.2; DEE14; EIEE14; ENFL5; KCa4.1; SLACK; Slo2.2
ACCN:	NM_020822
Insert Size:	2000 bp

View online »

Insert Sequence:

>SC211717 3'UTR clone of NM_020822
The sequence shown below is from the reference sequence of NM_020822. The complete sequence of this clone may contain minor differences, such as SNPs.
Blue=Stop Codon Red=Cloning site

GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAGGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
CCCGAGACTCGCGACGAGACACAGCTCTGAGCCAGCCCTGCACGGAGCTCAGGCCACCAAGCCCGGGGT
CCTCAGGAAGGACGTGGAGGAGCGTGTGAGGACACGGTGGCACTAGCGTGACCCTGGGGATGGCACACT
CTACTCACCATGGCTCCTGGGACTCCACCCTGGAAAGGAGCCCCTCATGCGGGGGGAGGGCCAGCTCAC
CCCTGGGCACCTGCAGGCTAGTGAGGAGAGTTTTTTAACCTATTTTTACACGTCGATGCAGTCCACTTC
TCTTTACACAGATGTACCGCAACTCGTGACCAGGGCTGGCTGGGAGGGCAACGCAGGGACTGGACGCCC
TACAGGGCCGAGCCCAGGCTGTGCTGGAGGGTGGGGCTGGGGTGCATGGGGAGGGGAGCAGAACCCAGA
ACCCAGGAGCCCCGCGTGGGCCACACCCAACTCAGAGCCGGCCTGAGCGTTCACGGCCAGGCAGCCTCG
CTTCCTTGCAGCCAAGGGCTGGGGGCCAGGGCTGCTGTTCTGCACTCTGGGGTGGGTGAGGGGGACCCT
GGGCTGTTTGCTGTCCCAAGCCCCTTCTGGAAGTTAGAAGCAGCAAAGGGCCCGGGGAAGCCGGGCATG
TGAGAGGGGTGCGTCCCCAGGTCCCCCAGAGGGCCCTGTCGCCGAGGACCTTTCTGAAGGAAGCAGAAG
ACGCCATTTCCTCTACTTCACACTGAACTGTCCCAGCCACTGCATCTAGGGGGCATTGGGCGGAAGATG
GTGCATTTCCATGGACCATTTTACACTTACCTTTTAAAGCAAAGCCTCATTTTCTAAACCCCTGACTTG
TGAAGCACAATTCAGCCTCCGGGCTGGGCCACGTGGAGAGAGAGGATCTTCTCAGCAAGGCGAGATCCC
GGGCGGCGGCTGACATCAGGAGCGCCACCCTGCGTCCTTTGCTGCTGGTTCCTTACTGGTTTGTACGGT
CAGCGCTGGAAACTTCTATTAAATGGATGCATTCTGGAGGCATGAAGTTACAAGTCAAGTCGCCCTGCT
CGTGTTTCCAAGGCTCTCACCCCTCCCAGCCACCCCACTTTAAGGGTTACAAACACCTGCTGGGGTCCC
CACCCCAACCCCATAGGCAAGCCCCCATTCCCCAGCCAGGCCAGGACAGTCCTTCCAAAACTCGGGAAC
CAAATTGTATTTGGCTACTGGTGACTGGATCCTGGTAGCCAGGAAACCTGCCTGGTGGTGGGGGTCCCA
GAGTCCAGGAGGGCTGTCTGGTGAGCTGCCCATCAGCCTCACCCCTGCAGCCAGGCATGTCCCTGGGGT
GGGCACAGAGACCCCAGGCTCTGCCCGCAGTGGCACAGAACTCATCTGAGGCCAGTGGCTGCTGGGGAT
CCCCTACACTGGGGGTCAGGGCTGCCCCAGGTGGGGATGTGTGTGCACCTCACCACGTTCACTTCAGGG
TACCCCAAGAGGCTGAAGGGGAAGGACCAAAAGGCCGAGGTGCAGCCCCTCCCCGGTGTCAGGGCAGAC
AACACAGCAGCTGCTGGAGGGGCCGGCCCTGGCCACACAGACTAGCTAGTCCCTTACTCCCGGCCTGTC
TGGAACCCTCCTGCTCAGAAGGTGCCCACTAGCCCTCTGTGGGGGACAGAGCCAGACATGGGTGGTCAG
GGAGAGGCTGTGTGGATTCAGGGGACCAGAAAGTAAGTCCCAGGACCTTGATGGAGCGGCAGGGATTGA
TGTTGGGCTAGGGTGGCCAGAGCCTGTCCCAGCAGGGCTGGGGTCTATCACGTTCCTGGGATCCAAGCA
GCGAGCACGCCCTGCCCCGCAGTCACCCCGCCCCGCAGTCGCCCTGCAGCTGGAAGGCCCAAGTCTGCC
TCACCTGGGTGGCCTCTCATGTCCCCCACACCCTGGCCCCCAGGCGAGGGGGGCTGCACAGCACCTGCA
GGGAGGAGAAGGGAGAGAAAAGCCGGTCTGGCTGCTGGGATGGGAGGGCCACAGTTCCAGCAGTGGCA
ACGCGTAAGCGGCCGCGGCATCTAGATTCGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTTCGATTCCACCGCCGCCTTCTATGAAAGG

Restriction Sites: SgfI-MluI

OTI Disclaimer: Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences , e.g., single nucleotide polymorphisms (SNPs).

Components: The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.

RefSeq: NM_020822.3

Summary: Potassium channels represent the most complex class of voltage-gated ion channels from both functional and structural standpoints. Their diverse functions include regulating neurotransmitter release, heart rate, insulin secretion, neuronal excitability, epithelial electrolyte transport, smooth muscle contraction, and cell volume. This gene encodes a sodium-activated potassium channel subunit which is thought to function in ion conductance and developmental signaling pathways. Mutations in this gene cause the early-onset epileptic disorders, malignant migrating partial seizures of infancy and autosomal dominant nocturnal frontal lobe epilepsy. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Dec 2012]

Locus ID: 57582

MW: 72