

Product datasheet for RN201402

Kcnt1 (NM_021853) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Kcnt1 (NM_021853) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Kcnt1
Synonyms:	rSlo2; Slack
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>RN201402 representing NM_021853 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCGGGGCAAGCTGCCGCTCACCGTCCGAGGGCAAGGCGGTCCGGGGACACCCAGCCGGCT
CTGCAGCCCTGAGGAGCCGACGGACTCAGCCGCTACTGCCACCCGCGGGGGCTCCGTGGGCAG
CGACGTGGCCAGAGGCTTCATGTGGAAGATTTACGCCTGGACTTCCCTTTCTCAGGTCCAGGTGGAA
TTCTATGTCAATGAGAACACCTTCAAAGAAGCGCTCAAGCTGTTCTTCATCAAAAACAGAGATCCAGCC
TGAGGATCCGGCTGTTCAACTTCTCCCTCAAGCTCCTCACCTGCCTGCTGTACATTGTCCGTGTCCTGCT
CGACAACCCAGACCAGGGCATCGGATGCTGGGGTGCACGAAGTATAACTACACGTTCAATGGTTCGTCC
TCGGAGTTCCTGAGGCTCCCATCCTGTGGGTGGAGAGGAAAAATGGCTCTGTGGGTGATCCAGGTCATTG
TGGCCACAATAAGCTTCTTAGAGACCATGCTCCTCATTTACCTCAGCTACAAAGGCAACATCTGGGAGCA
GATATTCATGTGCTTTTCGTCTTGGAGATGATCAACACACTGCCCTTCATCATCACGGTCTTCTGGCCA
CCTCTCCGGAACCTGTTCCATCCCTGTGTTTCTCAACTGCTGGCTGGCCAAGCACGCCCTGGAGAACATGA
TCAATGACTTCCACCGTGCCATCCTGCGCACAGTCAGCCATGTTCAACCAGGTGCTCATCTGTTCTGT
CACCTGTGTGCTGGTCTTACAGGGACCTGTGGGATTCAGCACTTAGAGCGGGCAGGTGGCAACTTG
AACTTGCTGACCTCCTTCTACTTCTGCATTGTGACTTTCTCAACCGTGGGCTTCGGTGATGTGACACCCA
AGATCTGGCCATCCAGCTCCTGGTGGTATCCTGATCTGTGTCACCCCTGTGGTGTCCACTGCAGTT
TGAAGAGCTTGTACTCTGGATGGAGCGGCAGAAGTCAGGGGGCAACTATAGCCGCCACCGAGCACGG
ACAGAGAAGCATGTGGTCTGTGTGAGCTCCCTCAAGATCGATCTCCTCATGGATTTCTGAATGAGT
TCTATGCCACCCCGTCTCCAGGACTACTACGTGGTATCCTGTGTCCTCGGAAATGGATGTCCAGGT
GGCAGGGTCTACAGATTCCCCTGTGGTCCCAGCGTGCATCTACCTCCAGGGCTCTGCCCTCAAGGAC
CAGGACCTCATGCGAGCTAAGATGGACAACGGAGAGGCCTGCTTTATCCTCAGCAGCAGGAATGAGGTGG
ACCGCACAGCTGCGGATCACCAGACCATCCTTCGAGCCTGGGCTGTGAAAGACTTTGCCCCAACTGCC
CCTCTATGTCCAGATTCTCAAGCCCAGAAAAGTTTACGTCAAATTTGCTGACCATGTGGTGTGCGAG
GAAGAGTGCAAGTACGCCATGCTGGCCCTGAAGTGCATCTGCCGGCCACCTCCACCCTCATCACCTGC



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TGGTGCACACATCCCGTGGCCAGGAAGGACAGGAGTCACCAGAGCAGTGGCAGCGCATGTACGGGCGCTG
 CTCGGGCAACGAGGTGTACCACATTCGCATGGGTGACAGTAAATCTTCCGGGAGTATGAGGGCAAGAGC
 TTCACCTACGCAGCCTTCCACGCGCACAAGAAGTATGGGGTGTGCCTCATTGGGCTGAAACGTGAAGAGA
 ACAAGAGTATCCTGCTGAACCCGGGGCCACGGCACATCCTGGCCGCTCTGACACCTGCTTCTATATCAA
 TATTACCAAGGAGGAGAAGTACAGCTTTCATCTTCAAGCAGGAGGAAAAGCAGAATAGGCGGGGCTGGCA
 GGGCAGGCACTTACGAAGGGCCCTCCCGGCTCCAGTGCACAGCATCATCGCTCTATGGTGGCCATGG
 ACCTGCAGAACACAGATTGCCGGCCCTCCAGGTGGCAGTGGTGGGGGGCGGCAAGCTGACTGCTGCC
 CACTGAGAACGGCTCTGGCAGTCGGCGTCCCAGCATCGCACCCGTTCTGGAGTTGGCAGACAGCTCAGCC
 CTGTTGCCCTGCGACCTGCTGAGTGACCAATCAGAGGATGAGGTGACACCCTCAGACGACGAGGGGCTCT
 CTGTGGTTGAGTATGTGAAGGGCTACCCTCCAACTCACCTACATTGGCAGCTCCCGACTTTATGCCA
 CCTCTTGCTGTAAAGGCCCTTCTGCTGCTGCGACTGGATAAGGGCTGCAAACACAACAGCTATGAG
 GATGCCAAGGCCACGGGTTCAAGAACAAGTTGATCATCGTCTCTGCTGAGACGGCAGGCAACGGGCTCT
 ACAACTTCATCGTGCCTCTGCTGCTACTACCGTCCCAGGGAGCTCAACCCATTGTGCTGCTGCT
 TGACAACAAGCCTGACCACCCTTCTGGAGGCCATCTGCTGCTCCCCATGGTCTACTACATGGAGGGA
 TCCGTGGACAACCTGGACAGCTTGTGCTGCTGTCATCTATGCTGACAATCTGGTGGTGGTGGACA
 AGGAGAGTACCATGAGCGCTGAAGAGGACTACATGGCAGATGCCAAGACCATTGTCAACGTGCAGACCAT
 GTTCAGGCTTTCCCACTCTCAGCATACCACGGAGCTCACGCACCCTTCCAACATGCGGTTTCATGCGAG
 TTCCGGGCAAGGACAGTACTCTCTGGCTTTTCCAACTTGAAAAGCAAGAACGGGAGAAATGGCTCCA
 ACCTGGCCTTCATGTTCCGCCTGCCATTTGCTGCTGGTGGGTTTGTAGTATCAGCATGTTGGATACGCT
 GCTCTACCAGTCTTCTGTAAGGACTACATGATCACCATCACCAGGCTGCTGCTGGGCTTGACACGACG
 CCAGGCTCTGGCTACCTCTGTGCTATGAAGGTAAGTGAAGGATGACCTGTGGATCCGTAATGAGCCGCT
 TCTTCCAGAACTCTGCTCCTCCAGCGCTGAGATCCCCATCGGCATCTACAGGACCGAGTGCCATGTCTT
 CTCCTCTGAGCCTCATGACCTCAGAGCCAGTCTCAGATCTCGGTGAACATGGAGGATTGCGAGGACACT
 CGGGAGGCCAAGGGGCCCTGGGGCACACGGGCTGCGTCTGGCGGTGGCAGCACCCATGGCCGTACGGGG
 GCAAGTGTGACCCGGTGGAGCACCCACTACTGCGCCGAAGAGCCTGCAGTGGGCCCAGGCTGAGCCG
 CAAGAGCAGCAAGCAGGCGGGGAAGGCACCCATGACCACAGACTGGATCACCAGCAGCGACTCAGCCTG
 TACCGGCGCTCAGAGCGCCAGGAGCTCTCGGAGCTGGTCAAGAACCAGTGAAGCACCTGGGGCTGCCCA
 CCACTGGTACGAGGACGTAGCAAATTTAACAGCCAGTGTGATGAATCGGGTAAACCTGGGATATTT
 GCAAGATGAGATGAATGATCATCACCAGAACACCCTTTCATGTACTCATCAACCCCCGCCAGACACA
 AGACTGGAGCCCAACGATATTGTGTACCTCATCCGTTCCGACCCCTGGCCACGTGACCAGCAGCTCCC
 AGAGTCGAAAAGCAGCTGCAGCAAACTGTATCCTGTAATCCTGAGACCCGGGATGAGACCCAGCT
 CTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:

Sgfl-Mlul

ACCN:

NM_021853

Insert Size:

3714 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:

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_021853.1](#), [NP_068625.1](#)

RefSeq Size: 3714 bp

RefSeq ORF: 3714 bp

Locus ID: 60444

UniProt ID: [Q9Z258](#)

Cytogenetics: 3p13

Gene Summary: Na(+)-activated potassium channel; may be involved in regulating the firing properties of neurons [RGD, Feb 2006]