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Product datasheet for RN211872

Kcnt2 (NM_198762) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Kcnt2 (NM_198762) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Kcnt2
Synonyms:	Slick
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>RN211872 representing NM_198762 Red=Cloning site Blue=ORF Orange=Stop codon TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCCGCGATCGCC ATGGTTGATTTGGAGAGCGAAGTACCCCCTCTGCCTCCCAGGTACAGATTCCGTGATTTGCTGCTAGGGG ACCAAGGCTGGCAGAATGATGACAGGGTTCAAGTCGAATTCTACATGAATGAAAACACATTTAAAGAGAG ATTAAAGTTGTTTTTCATAAAAAACCAGCGATCAAGTCTAAGAATCCGCTTGTTCAACTTTTCCCTCAAA TTGTTAAGCTGTTTGTTATACATTATCCGTGTGTTGCTTGAGAAACCTTCACAGGGAAATGATTGGTCTC ACATATTTTGGGTTAACAGAAGCCTGCCTTTATGGGGTTTACAGGTCTCGGTGGCATTGATAAGTCTATT TGAAACAATACTCCTTGGATATCTCAGTTATAAGGGGAATATCTGGGAGCAGATTTTACGAGTTCCATTC ATCTTGGAAATAATCAATGCAGTTCCCTTCATCATCTCAATATTCTGGCCTACGTTAAGAAATCTCTTTG TTCCAGTTTTTCTAAATTGTTGGCTTGCCAAACATGCCTTGGAAAATATGATTAATGATCTTCATCGAGC CATTCAGCGTACACAGTCTGCAATGTTTAATCAAGTTCTGATTTTGATATCTACTTTACTATGCCTTATC TTCACTTGCATTTGTGGAATTCAGCATCTGGAACGAATTGGAAAGAAACTCAATCTCTTTGACTCCCTGT ATTTCTGCATTGTGACATTTTCTACTGTGGGCTTTGGGGATGTTACTCCTGAAACATGGTCCTCCAAGCT TTTTGTTGTTGCTATGATCTGCGTTGCTCTTGTAGTTCTCCCCATACAGTTTGAACAGCTGGCCTATTTG TGGATGGAGAGACAAAAGTCGGGAGGAAACTATAGTCGACACAGAGCTCAGACTGAGAAGCATGTTGTTC TGTGTGTCAGCTCATTGAAGATTGACTTGCTTATGGATTTTTTGAATGAATTCTATGCACATCCAAGACT GCAGGATTATTATGTGGTGATTTTGTGTCCCACGGAGATGGATGTGCAAGTTCGGAGAGTGCTACAGATT CCAATGTGGTCCCAGAGAGTGATCTACCTTCAAGGCTCTGCCCTTAAAGACCAGGATCTCCTGAGAGCAA AGATGGACAATGCTGAGGCCTGTTTCATTTTGAGTAGCCGCTGTGAAGTCGATAGAACATCATCTGATCA CCAGACAATTTTGAGAGCATGGGCTGTAAAAGATTTTGCCCCAAATTGTCCTCTGTATGTTCAGATATTA AAACCAGAAAATAAATTCCACATCAAATTTGCAGATCATGTTGTTTGTGAAGAAGAGTTTAAGTACGCCA TGTTAGCTTTAAACTGTATATGCCCAGCAACATCTACACTTATTACACTACTGGTTCATACCTCTAGAGG GCAGTGTGTGTGCTTGTGTTGCAGAGAAGGGCAGCAGTCACCTGAACAGTGGCAGAAGACGTATGGGAGG TGCTCAGGAAATGAAGTCTACCACATCGTTCTGGAAGAAAGTACATTTTTTGCTGAATATGAAGGGAAGA

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CACCAGGCTTGAGCTGAATGATGTTGTATATTTGATCCGACCAGATCCACTGTCCTACCTTCCGAACAGT
GAACCCAGTAGGAAAAACAGCATCTGCAATGCCGCTGTTCAAGATTCTCGGGAGGAAACACAACTCTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_198762

Insert Size: 3429 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_198762.1, NP_942057.1
RefSeq Size:	3536 bp
RefSeq ORF:	3429 bp
Locus ID:	304827
UniProt ID:	Q6UVM4
Cytogenetics:	13q21
Gene Summary:	a K+ channel activated by intracellular Na+ and Cl- and inhibited by intracellular ATP [RGD, Feb 2006]