

Product datasheet for **RN215450**

Kcnn3 (NM_019315) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Kcnn3 (NM_019315) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Kcnn3
Synonyms:	KCa2.3; SK3
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN215450 representing NM_019315
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGACACTTCTGGGCACTTCCATGACTCGGGGTGGGGATCTGGATGAAGACCCCAAGTGTCCCTGTCC
 CATCTTCTGGGGACGAGCAACAGCAGCAACAGCAACCGCCACCACCGTCAGCGCCACCAGCAGTCCCCCA
 GCAGCCTCCGGGACCCTTGTGACGCTCAGCCTCCGAGCTTACGACGAGCAGCAGCAGCAGCAGCAGCAG
 CAGCAGCAGCAGCAGCAGCAGCAGCAGCAGGCTCCACTGCACCCCTGCCTCAGCTTGCCAACTCCAGA
 GCCAGCTTGCCATCCTGGTCTGTTGACTCTTCTCCACGGCTTTCAGGGCTCCCAATTCAGCCAACTC
 CACCGCCATCCTCACCCCTTCTCCAGGCAAGGCAGCCAGCTAAATCTCAATGACCACTTGCTTGGCCAC
 TCTCAAGTTCACAGCCACAAGTGGGCTGGTGGAGGCAGCCGGCAGCCAGCCAGCCCTGGTGC
 ACCGGCGGACAGCAATCCCTTACGGAGATAGCTATGAGCTCCTGCAAATACAGCGGTGGGGTCATGAA
 GCCCTCAGCCGCTCAGCGCTCTCGGAGAACTTATCGAGGCCGAACCTGAGGGCCAAACCCCTACAG
 CTCTTCAGTCCCAGCAACCCCCAGAGATTATCATCTCCTCCAGGGAGGATAACCATGCCACCAGACTC
 TGCTCCATCACCCCAACGCTACCCACAACCACCAGCATGCCGGCACCCTGCTGGCAGCACCACCTTCCC
 CAAAGCCAAACAGCGGAAAAACAAAACATTGGCTATAAGCTGGGGCACAGGAGGGCCCTGTTTGAAAAG
 AGAAAGCGACTGAGTGACTATGCTCTGATTTTTGGGATGTTTGAATGTTGTTATGGTGATAGAGACCG
 AACTGTCTTGGGTTTGTACTCAAAGGATTCCATGTTTTCGTTGGCCCTGAAATGCCTTATCAGTTTATC
 CACCATCATCTGCTTGGTTTGATCATCGCCTACCACACAAGGAAGTACAGCTCTTTGTGATCGACAAT
 GGTGCAGATGACTGGCGGATAGCCATGACCTATGAGCGCATCCTTACATCAGCCTGGAGATGCTGGTGT
 GCGCCATCCACCCATTCTGGAGAGTACAAGTCTTCTGAGCGGCAGCCTGGCCTTCTCTACACCCCT
 CTCTCGGGCAGAGGCTGACGTGGACATTATTCTGTCCATCCCCATGTTCTTGCCTATACCTGATCGCC
 CGAGTCATGCTGTACATAGCAAGCTCTTACGGATGCCTCATCCCGAAGCATCGGGGCCCTCAACAAGA
 TCAACTTCAACACCCGATTTCGTATGAAGACGCTCATGACCATCTGCCGGGCACGGTGCTGCTGGTGT
 CAGCATCTCTGTGGATCATCGCTGCCTGGACTGTGAGAGTCTGTGAAAGGTACCATGACCAGCAGGAC
 GTAAGTAGTAACCTTCTGGGTGCCATGTGGCTCATCTCCATCACGTTCTTTCCATTGGCTATGGGGACA
 TGGTGCCCCACACATACTGTGGAAAGGTCTGTCTTCTCACTGGCATCATGGGTGCAGGCTGCACTGC
 CCTCGTGGTAGCTGTGGTTGCCGAAAGCTCGAACTCACCAAAGCAGAGAAGCATGTGCACAACCTCATG
 ATGGACACTCAGCTCACCAAACGGATCAAGAACGCTGCCGCAATGTCCTCCGGGAAACATGGCTGATCT
 ACAAACACACAAAGCTGCTAAAGAAGATTGACCAGCCAAAGTCAGGAAACACCAGGAAAGTTCCTCCA
 AGCTATTCACCAACTGAGGGGTGTCAAGATGGAACAAAGGAAGCTGAGTGACCAAGCCAACACCCTGGT
 GACCTTTCAGATGCAGAACGTATGATGACTTGTACCGGAGCTCAACGACCGGAGTGAAGACCTGG
 AAAAGCAGATTGGCAGCCTGGAATCCAAGCTGGAGCACCTCACAGCCAGCTTCAATTCCTGCCCTGCT
 CATCGCAGACACCCTGCGCCAACAGCAGCAGCAGCTGCTCACTGCCTTCGTGGAGGCCGGGGCATCAGT
 GTGGCTGTGGAACTAGCCACGCCCTCCCTCTGACAGCCCTATCGGGATCAGCTCCACCTCTTTCCCAA
 CCCCATACACAAGTTCAGCAGTTGCT**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_019315

Insert Size: 2199 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_019315.2</u> , <u>NP_062188.2</u>
RefSeq Size:	2534 bp
RefSeq ORF:	2199 bp
Locus ID:	54263
UniProt ID:	<u>P70605</u>
Cytogenetics:	2q34
Gene Summary:	small-conductance Ca(2+)-activated K(+) channel; responsible for the afterhyperpolarization in neurons [RGD, Feb 2006]