

Product datasheet for **RN200616**

Kcnh6 (NM_053937) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Kcnh6 (NM_053937) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Kcnh6
Synonyms:	Erg2
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN200616 representing NM_053937
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCCAGTCCGCAGGGGCCAGTTGCTCCCAAAACACTTACTTGGACACCATCATCCGCAAGTTTGAAG
 GCCAGAGTCGGAAGTTCTTGATTGCCAATGCGCAGATGGAGAAGTGTCCATCATTACTGCAACGATGG
 CTTCTGCGAACTCTTTGGCTACTCCCGTGTGGAGGTGATGCAGCGGCCCTGTACTTGTGATTTCTCACG
 GGCCCGAACACTCCAAGCAGTGTGTGCCGCTTGGCTCAGGCCCTGCTCGGGCTGAAGAGTGAAGG
 TGGACATCTACTATCGCAAGGACGCCCTCCAGCTTCCGCTGCCTGGTGGATGTGGTCCCGTGAAGAA
 TGAGGACGGGGCAGTCATCATGTTTATCCTCAATTTGAGGACCTGGCCAGCTCCTGGCCAAAAGCAGC
 AGCCGACGCTGACCAACGGTTGTTGTCACACAGCTTCTGGGTTCTGAGGGCTCTCACAGCAGGCCGA
 GTGGACAGGGGCTGGCCAGGCAGGGCAAATACAGAACCGTCAGCCAGATTCCGAGTTCACACTCAA
 CTTCTGGAGTTCAACCTGGAGAAGCACCGCTCAGGCTCCACCAGGAGATTGAGATCATCGCTCCGCAC
 AAGGTGGTGGAGCGGACACAGAATGTCCTGAAAAGTCAACCAGGTCTGTCCCTAGGTGCAGATGTGC
 TGCCAGAGTACAAGCTACAAGCACCGCGTATCCACCGAGGCACCATTTCTGCACTACAGCCCTTCAAGGC
 CGTGTGGGACTGGCTAATCTTGCTTTAGTCATCTATACAGCGGTCTTACGCCCTACTCTGCCGCTTT
 CTACTCAGCGACAGGACGAATCACAGCGCGGTACCTGTGGTATACTGCAGCCCGCTCACCGTGGTGG
 ACCTCATCGTGGATATCATGTTTGTGCTGGACATCGTCATCAACTCCGAACCACTACGTCAACACTAA
 TGATGAGTGGTCAGCCACCCAGCAGCATCGCTGTCCACTATTTCAAGGGCTGGTTCCTATTGACATG
 GTGGTGCCATCCCTTTGACCTGCTTATCTCCGCACTGGCTCAGATGAGACCACCACCTTGAATGGGT
 TACTGAAGACGGCGCCCTCTCGGCTGGTGGCGGTGGCCGGAAGCTGGACCCTATTCTGAATACGG
 GGCCGCGTACTCTTCTGCTCATGTGTACTTTGCGGCTCATTGCGCACTGGCTGGCCTGTATCTGGTAC
 GCCATCGCAACGTGGAGCGACCCTACTTGGAGCCCAAGATCGGCTGGCTGGACAGCCTGGTGCACAGC
 TTGGCAAGCAGTATAATGGCAGCGACCCAGCCTCAGGACCCTCTGTCCAGGACAAGTATGTACCGCCCT
 CTACTTACCTTACAGCAGCCTTACCAGTGTGGGCTTCGGCAACGTGCACCCAACACCAACTCTGAGAAG
 GTCTTCTCTATCTGCGTCATGCTCATTGGCTCCCTTATGTACGCCAGCATCTTTGGCAACGTGTCGGCA
 TCATCCAACGCTGTACTCGGGCACTGCCGCTACCACACGCAGATGCTGCGTGTCAAGGAGTTCATCCG
 CTTCCACCAGATCCCAACCCACTGCGGCAGCGCTGGAAGAGTATTTCCAGCACGCTGGTCTACACC
 AACGGCATTGACATGAACGCGGTGCTGAAGGGTTCCTGAGTGCCTGCAGGCGGACATCTGCCTGCACC
 TGACCCGCGCTCTGCTGCAGCACTGCCCGCTTCCGGGGCGCCAGCAAGGGGTGCTGCCGCGCTCGC
 GGTCAAGTTCAAGACCACGCACGCGCCGCTGGGGACACGCTGGTGCACCTGGGGACGCTGCTCTCCACG
 CTCTACTTCTATCTCCCGCGGCTCCATCGAGATCCTGCGCGATGATGTGGTGTGGCCATTCTAGGGAAGA
 ATGACATCTTTGGGGAGCCTGCCAGTCTTCATGCCAGGCCAGGCAAACTAGCGCAGATGTGCGCGCCCT
 GACCTACTGCGACCTGCATAAGATCCATCGAGCAGACCTGCTGGAGGTGCTGGACATGTACCCTGCCTTT
 GCAGACACCTTCTGGAATAAGCTGGAGGTACCTTCAACCTGCGGGACGCAGATGGGGTCTCCAGTCAA
 CACCCCGACAGGCCCCAGGCCACCAAGACCCCAAGGCTTCTTCTCAATGACAGTCAGTCAGGTGCCG
 CCCTTCTTGAGCATTTACAGACATCTGCACCTTGGCCTGAATTGCTACAGCAAATGCCCAAGTCCC
 CCAAACCCACGACAGGACCTGGATTGCTGGCATCGGGAGCTAGGCTTTAAGTTAGAACAGCTCCAAGCCC
 AGATGAACAGATTGGAGTCCCGTGTGTCATCAGACCTCAGCCGCATCCTACAGTCTTACGACCCGCA
 GGGTGCAGCCAGCTACATCTTGGGAGCCTCTGCCTCCAGTACCTGGCCTCATTTCTGAAACTTCAAGT
 ACTCGGAGTTCAGAGTCTACGCTTCTGGTGGGACATGTGCCCTCTGCTCAGACCCTAAGTACGGTACT
 TGGACGACCATATTCAGACACCCAGGAATTTCTCCCCAGGACACCTCACGTGGCCATGGCAATGGACAA
 AACTCTGGTGCATCCTCAGAACAAGAGCAACCTGGGGTCTCCTGTACCTCTAGCCTCACCTCTGCGT
 CCCCTGGAAGTACCGGACTGGGTGTTCCCGCTTCCCCTCCCTCCCTGAACACCTCAGCTCAGTCCCCA
 AGCAGCTAGAGTCCAGAGACACGGTCCGATCCTGGATTACAAGGAGT**TAG**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN:	NM_053937
Insert Size:	2853 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:	NM_053937.1 , NP_446389.1
RefSeq Size:	3382 bp
RefSeq ORF:	2853 bp
Locus ID:	116745
UniProt ID:	O54853
Cytogenetics:	10q32.1
Gene Summary:	potassium channel; expressed exclusively in the nervous system [RGD, Feb 2006]