

## Product datasheet for RN207889

### Kcnh5 (NM\_133610) Rat Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Kcnh5 (NM_133610) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Kcnh5
Synonyms:	Eag2
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>RN207889 representing NM_133610 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCCGCGATCGCC

ATGCCGGGGGCAAGAGAGGGCTGGTGGCTCCGCAGAACACATTTTTGGAGAACATCGTCAGGCGCTCCA  
GTGAATCAAGTTTCTTACTGGGAAATGCCCAAATTGTGGACTGGCCTGTAGTTTATAGTAATGACGGATT  
TTGTAAACTCTCTGGATATCATCGAGCTGACGTATGCAGAAAAGCAGCACTTGCAGTTTATGTATGGA  
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ACACGAGAAGGTGGTCTTGTTCCTGTGTACGTTCAAGGATATCACGCTGTTCAAACAGCCATAGAGGAT  
GACTCAACAAAAGGTTGGACGAAATTTGCCCGTTGACACGGGCTTTGACAAACAGCCGGAGTGTGTTAC  
AGCAGCTTACACCAATGAATAAAACAGAGACAGTCCACAAACATTCAAGACTGGCAGAAGTCTTTCAGCT  
GGGATCAGACATCCTTCTCAGTACAAACAAGAAGCGCCAAAGACGCCCGCCACATCATTTACATTAC  
TGTGCTTTCAAACACTACGTGGGATTGGGTGATTTAATTCTTACCTTCTACACCGCCATCATGGTTCCTT  
ACAACGTTTCTTCAAACAAAACAGAACAATATCGCCTGGCTGGTTCTGGACAGCGTGGTGGAGTTAT  
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ACATCATCAATGCCTTTGAAAATGTGGATGAGGGAATCAGCAGTCTCTTACGCTCTTTAAAGGTGGTACG  
CCTCTTACGCCTGGGCGGTGTTGCTAGGAAACTGGACCATTACCTGGAATATGGAGCAGCGGTCTTGTG  
CTCCTGGTATGTGTTTTGGACTGGTGGCCACTGGCTGGCTGCATCTGGTACAGCATTGGAGACTATG  
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TACCACAATTTTCCAGCAAATGTATGCCAACCAACCGTTACCATGAGATGCTGAACAATGTTCCGAGAT  
TTCTGAAATTATATCAGGTCCCGAAAGGCCTTAGTGAACGAGTCATGGATTACATTGTGTCAACGTGGT



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CAATGTCAAAGGCATCGACACAGAGAAGGTCCTCCATCTGCCCAAGGACATGAGAGCTGACATCTG
TGTTTACTCTGAACCGGAAGGTTTTTAATGAACATCCTGCATTCCGATTGGCCAGCGATGGATGTCTGCGT
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TGGACGCCCTCTGCTTTGTGGTGTGAGGTCCTGGAGGTTATCCAGGATGAGGAGGTGGTGGCTATCTT
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CACAGGTACCAGTGTGGTCACTGTGTCACAGATTACCCCATCCAGACATCGCTGGCCTATGTGAAAACC
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TCAGAGGACCCCAAGGGCAGTGACTCAGAGAACAGTGTGACCAAGAACCCTTAAGGAAAACGGATTCTT
GTGACAGTGGGATTACAAAAAGTGACCTTCGTTTGGATAAAGCTGGTGAAGCCCGAAGTCTCTAGAACA
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CAGGAGGTA AACATGAACTCAAAGAGGACATCCAGCTGCTGAGCTGCAGAATGACTGCCCTGGAAAAGC
AGGTGGCAGAGATTTTAAACTACTCTCAGAGAAAAGTGTACCCAGACATCTTCTCCAAAACCCCAAT
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TCTGACAAAGATGAAATCAACTTTAA
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ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** Sgfl-Mlul

**ACCN:** NM\_133610

**Insert Size:** 2967 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\\_133610.2](#), [NP\\_598294.1](#)

**RefSeq Size:** 3505 bp

**RefSeq ORF:** 2967 bp

**Locus ID:** 171146

UniProt ID: [Q9EPI9](#)

Cytogenetics: 6q24

Gene Summary: voltage gated potassium channel pore-forming (alpha) subunit [RGD, Feb 2006]