

Product datasheet for MC223012

Kcnh5 (NM_172805) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Kcnh5 (NM_172805) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Kcnh5
Synonyms:	Eag2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC223012 representing NM_172805 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCCGGGGGCAAGAGAGGGCTGGTGGCTCCGCAGAACACATTTTTGGAGAACATCGTCAGGCGCTCCA
GTGAATCAAGTTTCTTACTGGGAAATGCCCAAATTGTGGACTGGCCTGTAGTTTATAGTAATGACGGTTT
TTGTAAACTCTCTGGATATCATCGAGCTGACGTATGCAGAAAAGCAGCACCTGCAGTTTTATGTATGGA
GAAGTACCGACAAGAAGACCATTGAGAAAAGTCAGGCAGACTTTTGACAACACTACGAGTCAAAGTGT
AAGTTCTTCTGTACAAAAAACCGTACCCTGTTTGGTTTTACATGCAAATCGACCAATAAGAAATGA
ACACGAGAAGGTGGTCTTGTTCCTGTGTACATTCAAGGACATTACACTGTTCAAACAGCCTATAGAGGAT
GACTCAACGAAAGTTGGACGAAGTTTGCCCGATTGACACGGGCTTTGACAAATAGCCGAAGTGTTTTAC
AGCAGCTTACACCAATGAATAAAACAGAGACAGTCCACAAGCATTCAAGACTAGCTGAAGTGCTTACAGT
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CGAAGCTTATAAGGATGAAGTATCTGAAAACCTGGTTTTGTGATTGATCTGCTGCTTTTACCTTATG
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CCTTTTACGCTGGGCCGTGTTGCTAGGAACTGGACCATTACCTGGAATATGGAGCAGCGGTCCTTGTG
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TTCCTGAAATTATATCAGGTCCCAAAGGCCTTAGTGAACGAGTGATGGATTATATTGTCTCAACATGGT
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TGTTCACTGAACCGGAAGGTTTTTAATGAACATCCTGCATTCCGATTGGCCAGCGATGGATGTCTGCGT
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CGGGCCCTGACTTACTGTGATCTGCACATCAAGCGAGAAGCCTTGCTCAAGGTCCTTGACTTCTATA
CAGCATTTGCAAACCTATTTTCCAGGAACCTCACTCTCACTTGCAATCTAAGGAAGCGGATCATCTTCCG
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TCTGACAAAGACGAAATCAACTTTAA
    
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ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_172805
- 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_172805.3](#), [NP_766393.2](#)
- RefSeq Size:** 4061 bp
- RefSeq ORF:** 2967 bp

Locus ID: 238271

UniProt ID: [Q920E3](#)

Cytogenetics: 12 C3

Gene Summary: Pore-forming (alpha) subunit of voltage-gated potassium channel. Elicits a non-inactivating outward rectifying current (By similarity). Channel properties may be modulated by cAMP and subunit assembly.[UniProtKB/Swiss-Prot Function]