

Product datasheet for **MC223225**

Kcnh4 (NM_001081194) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Kcnh4 (NM_001081194) Mouse Untagged Clone
Tag: Tag Free
Symbol: Kcnh4
Synonyms: BEC2
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC223225 representing NM_001081194
Red=Cloning site **Blue**=ORF **Orange**=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGCCGGTATGAAGGGTTGCTGGCCCCGAAAACACCTTTCTGGACACCATCGCCACCCGCTTTGACG
GCACGCACAGCACTTCTTCTGGCCAATGCACAGGGCCACGGGTTTTCCCATCGTCTACTGCTCTGA
CGGCTTCTGTGAGCTCACAGGCTACGGCCGACCGAGGTCATGCAGAAAACCTGTAGCTGTCGGTTCCTC
TATGGCCCAGAGACCAGTGAACAGCCCTGCAACGGTTGCAAAAAGCCCTGGAGGGCCACCAAGAACACC
GAACTGAAATCTGCTTTACCGAAAGGATGGCTCAGCCTTCTGGTGTCTTCTGGACATGATGCCATCAA
GAATGAGATGGGGGAGGTTGTGCTTTTCTATTTTCTTCAAGGACATCTCTCAGAGTGGAGGCCAGGA
CTTGGCTCACCAGGAATCCATGGGGACAATAATCACGAAAACCTCTTGGGAGGAGAGGAACTAGCTCAA
GACTTAGGTCCACGAAGAGGCAGAACCGGACTGCTTACACCGGTTGACTGGCCACTTTGGTCGCCGGGG
CCAGAGCAGTGTGAAGGCCAACAGTAACCTGTTGAGCCAAAACCATCAGTGCCCGAGTACAAGGTGGCC
TCTGTGGGGGGCTCCCGCTGCCTCCTCCTCCACTACAGCATCCCCAAGGCTGTCTGGGATGGTCTCATCC
TCCTCGCCACATTCTACGTCGCGGTCACTGTCCCCTACAAGCTGCTTTCGCGGGTGATGACGACACCCC
CATCACTTCCCGACACACCCTTGTGAGTACATCGCTGTGGAAATGCTCTTCATCCTGGACATCATCTTG
AACTTCCGCACCACCTACGTGTCCAGTCTGGCCAGGTGATTTCCGGCTCCTCGGTCCATTGGCCTCCACT
ATCTGGCCACCTGGTTCTTTGTAGACCTCATTGCTGCTTTGCCCTTTGATCTGCTGTATGCTTCAACAT
CACTGTGACCTCACTGGTACATCTGCTGAAAACCGTGGGCTCCTGCGGCTGCTGCGGCTGCTGAGAAG
TTAGAGCGGTACTCACAGTGCAGTGCAGTGGTCTCACGCTGCTCATGTCCGCTTTGCCCTCCTTGCTC
ATTGGATGGCCTGCGTCTGGTATGTCATCGGGCGCGGAGATGGAGGCCAATGATCCACTGCTCTGGGA
CATTGGTTGGTTGCATGAGCTGGCAAGCGGTTGGAGAGCCTTATGTCAATGGCTCGGCAGGTGGACCA
TCTCGGCGCAGTGCCTACATCGCTGCGCTGACTTACGCTGAGCAGCCTCACCAGTGTAGGCTTCGGCA
ACGTGTGTGCCAACACAGACGCTGAGAAGATCTTCTCCATCTGCACGATGCTCATAGGCGCGCTGATGCA
CGCAGTGGTGGTGGGAATGTCACAGCCATCATCCAGCGCATGACTCCCAGCCTGCGCTTACCACAGC
CGCATGAAGGATCTCAAGGACTTCATCCGAGTGCATCGCTGCCCGCCCACTCAAGCAGCGCATGCTCG



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AGTACTTCCAGACGACGTGGGCAGTCAACAGCGGCATCGATGCCAACGAGTACTGCGTGACTTCCCGGA
 TGAGCTGCGTGCTGACATTGCTATGCACCTGAACAGGGAGATCCTGCAGCTGCCTCTGTTTGGAGCGGT
 AGCAGGGGCTGCCTGCGGGCCCTCTCCTTGACATCAAGACCTCCTTCTGTGCTCCTGGGGAGTACCTGT
 TACGCCGTGGGGATGCCCTCCAGGCACACTACTACGTCTGCTCTGGCTCGCTTGAGGTGCTCCGGGACAA
 CATGGTGTGGCCATCCTGGGAAGGGGACTTGATTGGGCAGACATCCCTGAGTTGGGACAGGAGCCT
 GGGTCAGGGGCAGGCCCCAGCTGTGTGCTGAAGACCAGCGCGATGTGAAAGCTGACTTACTGTGGCC
 TGCAGCAGCTGAGCAGCCGAGGGCTGGCGGAGGTCTGCGGCTGTATCCGGAATATGCAGCTGCCTTCCG
 GGCTGGCCTACCCCGGGACCTAACCTTCAACCTGCGCCAAGTTCTGAAAACAATGGCCTCGGCCGCTTC
 TCACGGTCTCCTCGTCTCTCCAGGCACGCTCCGACACTTTGGTTCTCCTCAGACAAGACTCTGCCAT
 CCATCACAGAAACCGAGGGTGGCACGGAGCCTGGGGTGGTTCCAAGCCCGTCGGCCCCACCTGTGCC
 CAACCTCAGTCCAGCAGACCTCGGGGTCCCTGGTCAGCCTTTTGGGCGAGGAGCTGCCCCATTCTCA
 GCCCTGTCTCCTCTCCTTCCCTGTCCCAACTCCTTCCCTGCCCTGGCTGGCCGGGTGAGAGTCCCT
 CCCCACAGGCCCCCAGGGGCTGTGCTGCTGGAAGCCCCCAGCTCCTCATTCCCCACTGGGAAC
 ATTTGGACCTCCGACCTCAGTCCCGGATCGTGGATGGCATTGAAGACTCCAGTAACACAGCTGAGGCT
 CCTACATTCGGCTTCAGCAAGAGGCCAGAGCCCACCAGAACTCGCTCACAGGCTCCCCCTCAGGCCCA
 GGCTCAGCCGGAACTGGCCACAGAGGCAGCAGAGGAGTGAAGGAAAAGTCTGAGGCTGAACCAAGA
 GATCTCCCGTCTCAATCAGGAAGTGTCTCAGCTGAGCCGGGAGCTGCGGCAAGTATGGGTCTTTACAG
 GCCAGGCTGGGACCCCCAAGTCACACAGCTGGTCCAGCTTGGTCCCAGACCTTCTTGGCCCCACCAGA
 GACTACCATGCATCTCCTCATATGTCTGGACCACCCTGGTCTCCAGAATACTACACTCGCTGTAGT
 CCACTGTCCAGCCAGTGTGGGACAGTGGAGATAGGGGCCACCCCTCAGAGCTGAGACCTTCCACGATA
 CCACCTATCCCTCGAACCTGATCCTCTGGGACCCTTCCAGCGCCAGAGGCTCCTCCCTGACCCCAA
 GCCTCTGAAGCACAGCTTCCAGTCTGGTCCAGACACATCCACTGA

ACGCGTACGCGCGCCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_001081194
- Insert Size:** 3057 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_001081194.2](#), [NP_001074663.1](#)
- RefSeq Size:** 3784 bp
- RefSeq ORF:** 3057 bp

Locus ID: 380728

Cytogenetics: 11 63.57 cM