

Product datasheet for MC223922

Kcnh7 (NM_133207) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Kcnh7 (NM_133207) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Kcnh7
Synonyms:	933013711Rik; erg3; Kv11.3
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>MC223922 representing NM_133207 Red=Cloning site Blue=ORF Orange=Stop codon

TTTGTAAACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGCCTGTTTCGACGGGGGCATGTGGCACCACAAAACACCTTCCTGGGGACCATCATACGGAATTTGAAG
GGCAGAATAAAAAATTTATCATTGCAAATGCCAGAGTGCAGAACTGTGCTATCATCTACTGCAATGATGG
CTTCTGTGAGATGACGGTTTCTCCAGGCCAGATGTCATGCAGAAGCCGTGTACCTGTGACTTTCTCCAT
GGGCTGAGACCAAGAGGCATGATATTGCCAGATTGCCAGGCGCTGCTGGGGTTCAGAGGAGAGGAAAG
TGGAGGTACCTACTATCACAAGATGGTTCACCTTTTATTTGTAACACTCACATAATCCAGTAAAGAA
CCAAGAGGGTGTGGCTATGATGTTTCATCATTAATTTTGAGTATGTGACAGATGAAGAAAATGCTGCCACT
CCAGAGAGGGTCAACCCGATATTACAGTCAAGACTGTAAACCGGAACTTTTGGGTTCAAATTTCTG
GACTGAGAGTTCTAACATACAGAAAACAGTCTTGCCACAGGAAGACCCGGATGTGGTAGTTATTGATTC
TTCTAAACACAGCGATGACTCTGTGGCCATGAAGCACTTTAAGTCTCCACGAAAGAAAGTTGCAGTCCC
TCTGAAGCAGATGATACGAAAGCCTTGATACAGCCTAGCCAGTGTCTCCCTTAGTGAACATATCAGGAC
CTCTGGACCATTCCTCTCCAAAAGACAATGGGACCGCCTCTACCCTGACATGCTGCAGTCAAGTTCCCA
ACTAACACACTCCAGGTCAAGGGAGAGCCTCTGTAGCATACGGAGGGCATCTTCAGTTCATGATATAGAA
GGGTTCAGTGTCCACCCCAAGACATATTTAGAGATCGACATGCCAGTGAAGACAATGGTCGAAATGTCA
AAGGACCTTTTAATCATATCAAGTCAAGCCTGCTGGGATCCACATCAGATTCAAACCTCAATAAGTACAG
CACCATTAAACAGATCCCAACTCACTCTGAATTTCTCAGATGTCAAAACAGAAAAGAAGAATACATCC
CCTCCTTCTTCAGACAAAATATTATTGCACCAAGGTTAAAGAAAGGACACACAACGTGACCGAGAAAG
TAACCCAGGTTCTTTCTTTGGGAGCAGATGTCTTGCCAGAATATAAGCTGCAGACGCCACGCATCAACAA
ATTTACAATATTGCACTACAGTCTTTCAAAGCAGTCTGGGATTGGCTTATTTTACTCTTGGTCATTAT
ACTGCTATATTACCCCCTACTCTGCAGATTTCTCCTCAATGACAGAGAGGAACAGAAAAGGCGAGAAT
GTGGCTATTCTGTAGCCCTTTGAATGTGGTAGACTTGATTGTGGATATTATGTTTATTATAGACATTCT
AATAAACTTCAGAACACCTATGTAATCAGAATGAAGAAGTGGTAAGTGATCCTGCCAAAATAGCAATA
CACTACTTCAAAGGCTGGTTCCTGATTGACATGTTTGACGCCATTCTTTTGACTTGCTGATTTTGGAT



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CAGGTTCTGATGAGACAACGACACTAATTGGTCTTTGAAGACTGCACGACTCCTGCGTCTTGTCGCGT
 AGCCAGGAACTGGACCGATACTCAGAATATGGTGCGGCTGTTCTAATGCTCTTGATGTGCATATTTGCC
 CTGATTGCCCCTGGCTGGCTTGCATCTGGTATGCGATTGGGAATGTAGAGAGGCCCTATCTGACTGACA
 AAATTGGATGGTTGGATTCTTAGGAACACAAATTGGGAAACGTTACAATGACAGTGACTCGAGTTCTGG
 ACCGTCCATTAAAGACAAATACGTCACGGCACTTTATTTTACCTTCAGCAGTCTAACCAGTGTAGGATTT
 GGAAATGTGTCTCTAACACCAATTTCGGAGAAAATCTTTCCATTGTGTCATGTTGATTGGCTCTCTAA
 TGTATGCGAGCATTTTGGGAACGTTTCTGCAATTATTCAAAGACTGTACTCAGGAAGTCCAGGTACCA
 CATGCAGATGCTGAGAGTAAAAGAGTTTCATTGCTTCCACCAAAATCCCCAACCCCTTGAGGCAACGGCTT
 GAGGAGTATTTCCAGCATGCATGGACTTACACTAACGGCATAGACATGAACATGGTCTTAAAGGGATTTT
 CAGAATGTTTACAAGCTGACATTTGCTGCATCTGAACAGACTTTGCTACAAAAGTCAAGGCTTTTCG
 AGGAGCAAGTAAAGGCTGTCTTAGAGCTCTGGCAATGAAGTTCAAAACACCCATGCCCTCCAGGAGAC
 ACCCTGGTTCACTGTGGGATGTTCTAACTGCACTGTACTTCTTATCCAGAGGCTCCATTGAAATCTCA
 AGGATGATATAGTGTAGCTATTCTTGGAAAAATGATATCTTTGGGAAATGGTTCATCTTTATGCCAA
 ACCTGGCAAGTCTAATGCAGATGTGAGAGCACTTACGTACTGTGACCTGCATAAGATTACGCGAGAAGAT
 TTATTAGAGGTCTTGATATGTATCCAGAATTTCTGATCACTTTCTGACAAATCTAGAAGTACTTTCA
 ACCTGAGACATGAAAGTGCCAAGTCCCAATCTGTAATGATTCTGAAGGAGACACCGGTAAACTTCGGAG
 AAGGCGATTGTCCTTTGAAAGTGAAGGGGAAAAAGATTTAGCAAAGAAAACAGTGCAAAATGACGCTGAC
 GACTCTACAGATACAATAAGGCGTTACCAGAGTTCGAAGAAGCACTTCGAAGAGAGGAAAAGCAGATCGT
 CATCGTTCATCTCCTCCATTGATGATGAGCAAAAGCCACTCTTCTTAGGAACAGTAGATTCTACTCCAAG
 AATGGTGAAAGCAACAGACTCCATGGTGAAGAAACAATGCCACACTCAGGAAGAATTCACACAGAAAAA
 AGGAGTCACTCCTGCAGAGATATCACTGATACACACAGCTGGGAAAGAGAGCCTGCCCGGGCTCAACCTG
 AAGAATGTAGTCCCTCAGGACTTCAGAGAGCTGCCTGGGGCGTCTCTGAGACGGAAGCGACCTCACCTA
 TGGGGAAGTGGAGCAAAGATTAGATTTACTTCAAGAGCACTTAACAGACTTGAATCCCAATGACAACG
 GACATCCAGGCCATCTTGAGCTCTGCAGAAACAAACACGGTAGTCCCTCCAGCCTACAGCATGGTGA
 CTGCAGGAGCAGAGTACCAGAGGCCATCTCCGTCTGTTGAGAACCAGTCAACCCAGAGCATCCATTAA
 GACTGACCGGAGTTTCAGCCCCTCTCACAGTGTCTGAATTTCTCGACCTCGAAAAATCCAAATCCAA
 TCCAAAGAGTCACTCTAAGCGGAAGGCGCTGAACACAGCTTCCGAAGACAAGTCACTTCCCTTTTAA
 AACAAGACAGTGATGCGTCATCAGAGCTTGACCCTCGGCAAGGAAAACTTACCTTCATCCCATCCGGCA
 TCCCTCTCTGCCAGACTCTCCCTAAGCACTGTAGGGATCTTGGGTCTCCATAGGCATGTCTTGACCT
 GGTCTTCCAGGAAGTAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:

SgfI-MluI

ACCN:

NM_133207

Insert Size:

3588 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_133207.2, NP_573470.2</u>
RefSeq Size:	3798 bp
RefSeq ORF:	3588 bp
Locus ID:	170738
UniProt ID:	<u>Q9ER47</u>
Cytogenetics:	2 C1.3
Gene Summary:	Pore-forming (alpha) subunit of voltage-gated potassium channel (By similarity). Channel properties may be modulated by cAMP and subunit assembly.[UniProtKB/Swiss-Prot Function]