

Product datasheet for **RN205637**

Kcnh1 (NM_031742) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Kcnh1 (NM_031742) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Kcnh1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >RN205637 representing NM_031742
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGACCATGGCTGGCGGCCGGCGGGACTAGTGGCCCCGAGAACACATTTCTGGAGAACATCGTGGCCG
 GGTCACACGACACTAATTTGTGTTGGGAATGCCAGATCGTGGACTGGCCATCGTGTACAGCAATGA
 TGGATTCTGCAAGCTGTCTGGCTACCACCGAGCGGAAGTATGCAAAAAGAGTAGCGCCTGCAGTTTTATG
 TATGGAGAGCTGACCGACAAGGACACGGTTGAAAAGGTTCCGACAGACCTTTGAGAACTACGAGATGAACT
 CCTTCGAAATTCTGATGTACAAGAAGAACAGGACACCTGTGTGGTTTTTTGTGAAGATCGCTCCAATCAG
 GAACGAACAGGATAAAGTGGTTCTGTTCCCTTGCACCTTTCAGTGACATAACGGCATTCAAGCAGCCATT
 GAGGACGACTCCTGCAAAGTTGGGGGAAGTTGCTCGACTGACGAGAGCTCTGACAAGCAGCAGGGGAG
 TCCTGCAGCAGCTGGCCCCAGTGTGAGAAGGGTGAAGATGTTACAAGCACTCGGCCCTGGCAGAGGT
 CCTGCAGCTGGGTTGAGACATCCTCCCCAGTACAAGCAAGAGGGCCAAAGACACCCCTCACATCATC
 CTACACTACTGTGCTTTAAGACCACATGGGATTGGATCATCTTGATCCTGACCTTCTACACAGCCATCC
 TGGTCCCTTACAACGTCTCCTTTAAAACCAGGCAGAATAACGTGGCCTGGCTGGTGGTGGACAGCATCGT
 GGATGTCACTTTTTGGTGGACATTGTCTTGAATTTTACACCACCTTTGTGGGCCAGCGGGGGAAGTG
 ATCTCTGACCCCAAATATCCGCATGAACTACCTGAAGACGTGGTTTGTGATCGACCTTCTCCTCTGT
 TGCCATATGACGTCATCAACGCTTTTGAAGCTGGATGAGGGCATCAGCAGCCTGTTCAAGTTCTCTGAA
 AGTCGTGGCGCTGCTCCGTCTCGACGAGTGGCCCGAAGCTGGACCATTATATCGAGTACGGAGCGGGC
 GTACTGGTCTGCTGGTGTGCGTGTTCGGGCTGGCTGCCACTGGATGGCCTGCATCTGGTACAGCATTG
 GGATTATGAGACTTTTATGAAGACACCAAGACCATCCGTAACAACAGCTGGCTCTACCAATGGCATT
 GGACATTGGCACTCCATACCAGTTTAATGGGTCTGGTTTCGGGGAAGTGGGAAGCGGGCCAAGCAAGAAC
 TCCGTATACATTTCTCGCTGTACTTACCATGACAAGTCTACCAGTGTGGGCTTTGGTAAACATCGCCC
 CATCCACAGACATCGAGAAGATCTTCGCCGTAGCCATCATGATGATTGGCTCCCTTCTGTATGCCACCAT
 CTTTGGGAATGTGACGACCATTTTCCAGCAGATGTATGCCAACCAACAGGTATCATGAGATGCTCAAC
 AGCGTCCGGGATTTCTGAAGCTCTACCAGGTGCCAAGGGGCTGAGCGAGCGGGTATGGACTACATTG
 TGTCTACCTGGTCCATGTCCCGCGCATCGACACGGAGAAGTCTGCAATCTGCCCAAGGACATGCC
 AGCTGACATTTGCGTACACCTGAACCGAAAAGTGTCAAAGAACACCCCGCTTCCGGCTGGCCAGCGAT
 GGTTCCTGAGGGCCTTGCCATGGAGTCCAGACAGTACACTGCCCCAGGGACCTCATCTATCACG
 CCGGGGAGAGTGTGGACAGCCTCTGCTTCTGGTCTCGGGCTCCCTGGAGGTGATCCAGGATGATGAGGT
 GGTGGCCATCCTAGGAAAGGAGATGTGTTGGGGATGTTTTCTGGAAGGAGGCTACCCTTGACAGTCC
 TGCGCTAATGTCCGGCCTTGACCTACTGTGACCTGCACGTGATCAAGAGGGATGCCCTGCAGAAAGTGC
 TAGAATTTACACAGCCTTCTCCCACTCCTTCTCCCGAACCTGATTCTCACCTACAATCTGAGGAAGAG
 GATTGTGTTCCGGAAGATCAGCGACGTGAAACGAGAAGAAGAGGAGAGGATGAAACGGAAGAACGAGGCC
 CCCCTTATCCTGCCTCCTGACCACCTGTGAGGAGGCTTCCAAAGGTTCCGCCAGCAGAAAGAAGCCA
 GGCTGGCAGCCGAGAGAGGTGGCCGGGACCTGGATGACCTGGATGTAGAGAAGGGCAATGCCCTCACGGA
 CCATACCTCAGCAACACAGCCTGGTGAAGGCCAGTGTGGTACGGTGGCTGAGAGTCCCGCCACGCT
 GTGTCTTCCAGGCAGCCTCCACCTCCACAGTGTGACACAGCAGCAAGCTGCATGCACCGGATCTGAGT
 GCCTAGGTCCCAAGGCAGCGGTGGCGACCCTGCCAAGCGCAAAGGCTGGGCCCGGTTCAAAGATGCCTG
 TGGGAAGGGTGAAGATTGGAACAAGGTGTCCAAGGCAGAGTCCATGGAGACGCTTCCCGAGAGGACAAA
 GCATCGGGCGAGGCCACGCTGAAGAAGACAGACTCCTGTGACAGTGAAGTACCAAGAGTACCTGCGCT
 TGGACAATGTGGGTGAGGCCAGGAGTCCCAGGACCGGAGCCCCATCTGGCCGAGGTCAAGCATTCTTT
 CTACCCCATCCCCGAGCAGACTGCAGGCCACAGTGTGGAGGTGAAGCATGAGCTGAAGGAAGACATC
 AAGGCCTTGAATGCCAAAATGACCTCCATTGAGAAGCAGCTGTCTGAGATCCTCAGGATACTCATGTCCA
 GAGGGTCTCCAGTCTCCGACGACAGTGTGAGGTCTCCAGGCCAGTCCCCAGAGTACAGACAGAGA
 CATTTTTGGGGCAAGCTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	Sgfl-Mlul
ACCN:	NM_031742
Insert Size:	2889 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_031742.1 , NP_113930.1
RefSeq Size:	4569 bp
RefSeq ORF:	2889 bp
Locus ID:	65198
UniProt ID:	Q63472
Cytogenetics:	13q27
Gene Summary:	pore forming subunit of voltage gated potassium channel [RGD, Feb 2006]