OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for RN204616

Kcnh7 (NM_131912) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Kcnh7 (NM_131912) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Kcnh7
Synonyms:	erg3
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>RN204616 representing NM_131912 Red=Cloning site Blue=ORF Orange=Stop codon TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCCGCGATCGCC ATGCCTGTTCGCAGGGGGCATGTGGCACCGCAAAACACCTTCCTGGGGACCATCATACGGAAATTTGAAG GGCAGAATAAAAAATTTATCATTGCAAATGCCAGAGTGCAGAACTGTGCCATCATCTACTGCAATGATGG CTTCTGTGAGATGACAGGTTTCTCCAGGCCAGATGTCATGCAGAAGCCATGCACCTGCGACTTTCTCCAT GGGCCTGAGACCAAGAGGCATGATATTGCCCAGATTGCCCAGGCGCTGTTGGGGTCAGAGGAGAGGAAAG TGGAGGTCACCTACTATCACAAGAATGGTTCCACTTTTATTTGTAACACTCACATAATCCCAGTAAAGAA CCAAGAGGGTGTGGCTATGATGTTCATCATTAACTTTGAGTATGTGACAGATGAAGACAATGCTGCCTCC CCAGAGAGAGTCAACCCAATATTGCCAGTCAAATCTGTAAATCGGAAACTTTTTGGGTTCAAATTTCCTG GTCTGAGAGTTCTAACATACAGAAAGCAGTCCTTGCCGCAGGAAGACCCGGACGTGGTAGTCATTGATTC TTCTAAGCACAGCGATGACTCTGTGGCTATGAAGCACTTTAAGTCTCCCACGAAAGAAAGCTGCAGTCCC TCTGAAGCAGATGATACGAAGGCCTTGATACAGCCTAGCCAGTGTTCTCCCTTAGTGAACATATCAGGAC CTCTGGACCATTCCTCTCCCAAAAGGCAATGGGACCGCCTCTACCCTGACATGCTGCAGTCAAGTTCCCA ACTAACACACTCCAGGTCAAGGGAGAGCCTCTGTAGCATACGGAGAGCATCTTCAGTTCATGATATAGAA GGGTTCAATGTCCACCCCAAGAACATATTTAGAGATCGACATGCCAGTGAAGACAATGGTCGAAATGTCA AAGGACCTTTCAATCATATCAAGTCAAGCCTGTTGGGATCCACATCAGATTCAAACCTCAACAAATACAG CACCATTAACAAGATCCCGCAACTCACTCTGAACTTTTCAGATGTCAAAACTGAGAAAAAGAATACTTCC CCGCCTTCTTCAGACAAAACTATTATTGCACCCAAGGTTAAAGAGAGGACACACAACGTGACAGAGAAGG TAACTCAGGTTCTTTCTTTGGGAGCAGATGTCTTGCCAGAATACAAGCTGCAGACGCCACGCATCAACAA ATTTACAATATTGCACTACAGCCCTTTCAAAGCAGTGTGGGATTGGCTCATTTTACTCCTGGTCATTTAT ACTGCTATATTCACCCCCTACTCGGCAGCCTTTCTCCTCAACGACAGAGAGGAGCAGAAAAGACGAGAAT GTGGCTATTCTTGTAGCCCTTTGAATGTGGTAGACTTGATTGTGGATATTATGTTTATTATAGACATCCT AATAAACTTCAGAACAACCTATGTAAATCAGAACGAAGAAGTGGTAAGTGATCCTGCCAAAATAGCAGTA CACTACTTCAAAGGCTGGTTCCTGATTGACATGGTCGCAGCCATCCCTTTTGACTTGCTGATTTTCGGAT

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CAGGCTCTGATGAGACAACAACACTAATTGGTCTTTTGAAGACTGCACGTCTCCTGCGTCTTGTGCGTGT
AGCCAGGAAACTGGACCGATACTCAGAATATGGTGCCGCTGTTCTAATGCTCTTGATGTGCATATTTGCC
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TCCAAAGAATCACTGTCAAGCGGAAAGCGCCTGAACACGGCTTCAGAAGACAACTTGACTTCACTTTTAA
AACAAGACAGTGATGCATCGTCAGAGCTTGACCCGCGGCAAAGAAAATCTTACCTTCATCCCATCCGGCA
TCCGTCTCTGCCAGACTCCTCCCTAAGCACTGTAGGGATCTTGGGTCTCCATAGGCATGTTTCTGATCCT
GGTCTTCCGGGAAAGTAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_131912

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:	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_131912.1, NP_571987.1
RefSeq Size:	3807 bp
RefSeq ORF:	3588 bp
Locus ID:	170739
UniProt ID:	O54852
Cytogenetics:	3q21
Gene Summary:	produces a current that has a large transient component at positive potentials [RGD, Feb 2006]