

## Product datasheet for **SC122784**

### KCNE1L (KCNE5) (NM\_012282) Human Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** KCNE1L (KCNE5) (NM\_012282) Human Untagged Clone  
**Tag:** Tag Free  
**Symbol:** KCNE1L  
**Synonyms:** KCNE1L  
**Mammalian Cell Selection:** None  
**Vector:** pCMV6-XL5  
**E. coli Selection:** Ampicillin (100 ug/mL)

**Fully Sequenced ORF:** >OriGene sequence for NM\_012282 edited  
TGCTACCGCTGTTTCCGCTGCTGAGCCCTGCCCGCCGGCCCGCTCGCTAGCTCGCT  
TCCCCTCGCCAGGGGAAAGGTCAGCAGCGCTCCTGGAGCCGCGCTGTCCTCCCGAAA  
GCCATGAACTGCAGCGAGAGCCAGCGGCTGCGAACCTTCTGAGCCGCTGTTGCTCGAG  
CTGCACCAACGGGTAATGCCAGCGGCTTGGGCGCTGGCCCTCGTCCCAGCATGGGCATG  
GGGGTCTGCTGACCCTTTCGTGGGCCGAGGTGACCAGCGCAAGGGCGACGACGCC  
TATCTCTACATCCTGCTCATCATGATCTTCTACGCCTGCTTGGCCGAGGCCTCATCCTG  
GCCTACACCCGCTCCCGTAAGCTCGTCGAGGCCAAGGACGAGCCGCTCCAGGCTTGCGCC  
GAGCACGAATGGGCCCCGGGAGGCGCCCTGACCGCCGACGCCGAGGCTGCCGCGGGCTCC  
CAGGCCGAGGGCCGCCGACGCTTGCTCCGAGGGGCTGCCTGCCCTCGCCAGGGCGCT  
GAGCGGGTCTAAAACACAGCCCCAGATTGCTGGTTCGCGCCCTCCTCATCTCGCTCATC  
CCTGGGCGCGCCTCCACCTTCCACCCCAACTCCCTTCCAGGGTTCGCCTCATCTGAGG  
CCCAGATAATGGTGAGAGGCCAGGAGACCTTGTCTGGAAGGCCCTGGAAGGAGAAGCACC  
ACCTTACCATTTCGGGCCAGTTTCTCCCTTTCACCCCTGCGCCTCCACCCCTACCCCGC  
ACATCCAAGTGCCTAACTGCCTCTGCTCTTGTCTTTCAGACAGCCCTGACAGCACGC  
TCCAGCCCTCTGGGAAGTGAATCCAACACGTCCAACACTTGGCACTGAAGCAATG  
CATTCTATCAGAACTCTGGGCGTCTAACTGGCAGCTGCTCCAGGGGCTGCCAGGACTG  
CTCACTGTCAGAGCCAACGGGCTTGGCAGGCCACTGCAGCAGCTCCAGCTTCCAGTTG  
CCTTAGGGACAGAGACAAGGAAATGAAGAGACCTCAGACATCTTTTCCCTCCCTCTCTC  
TTTCAGCAGGGAGCTAGCAGGACTAGGACCAGTCTGTGGGATAGAATGAACCTTAATGG  
GGGACGGAAGGGGAGGAGTGTCAACGGGAGGGAAATGATCTATGACTCCAAGTGTAT  
GATTTTCTGCTCCCGAGTTTTCATCCAGTGGTAACGCCTGATTTTGGTAGCTATGC  
CATCTTCTGCTGAGGATTACCATTAAGGGTGTATCACCCAGTACTTCCAAATGCCTCT  
CCTCTATTGATTCAGTTGTTATTGCAGTGTCTGCTTCCCGTGGAACTTGAGGCTCAGA  
TGCCCCCTGCTGTAAACCTGGGGAATGTCAGAGGCAGGTAATAAAGGTTGTTAAACA  
ATAA



[View online »](#)

<b>5' Read Nucleotide Sequence:</b>	>OriGene 5' read for NM_012282 unedited GNNGGCGGCCGCGNAATCCCGGGATTGCTACCGCTGTTCCGCTGCTGAGCCCTGCCCG CCGGCCGCGCCGCTCGCTAGCTCGCTTCCCCTCGCCAGGGGAAAGGTGAGCAGCGTCC TGGAGCCGCCGTGCTACTCCCCGAAAGCCATGAACTGCAGCGAGAGCCAGCGGCTGCGAA CCCTTCTGAGCCGCTGTGCTCGAGCTGCACCACCGGGTAATGCCAGCGGCTTGGGCG CTGGCCCTCGTCCAGCATGGGCATGGGGTCGTGCCTGACCCCTTTCGTGGGCCGCGAGG TGACCAGCGCCAAGGGCGACGACGCCTATCTCTACATCCTGCTCATCATGATCTTCTACG CCTGCTTGGCCGAGGCCATCCTGGCTACACCCGCTCCCGTAAGCTCGTAGGCCA AGGACGAGCCGTCCCAGGCTTGCCCGAGCACGAATGGGCCCGGAGGCGCCCTGACCG CCGACGCCGAGGCTGCCGCGGGCTCCCAGGCCGAGGGCCGCCAGCTTGCCTCCGAGG GGCTGCCTGCCCTCGCCAGGGCGCTGAGCGGGTCTAAAACCACAGCCCCAGATTGCTGG TTCGCGCCCTCCTCATCTCGCTCATCCCTGGGCGCGCCTCCACCTTCCACCCCCAACTC CCTTCCAGGGTTCGCTCATCTGAGGCCAGATTATGGTGAGAGGCCAGGAGACCTTGTC TGAAGGCCCTGGAAGGAGAAGCACACCTTACCATTGGGCCAGTTTCTCCCTCTTCA CCCCTGCGCTCCACCCCTTCCCAGCACATCCACTGCACTAAAAGTGCCTCTGCTCTCT TGCTTTCAGACAGCCCTGACAC
<b>Restriction Sites:</b>	Please inquire
<b>ACCN:</b>	NM_012282
<b>Insert Size:</b>	1480 bp
<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
<b>RefSeq:</b>	<a href="#">NM_012282.2</a> , <a href="#">NP_036414.1</a>
<b>RefSeq Size:</b>	1465 bp
<b>RefSeq ORF:</b>	429 bp
<b>Locus ID:</b>	23630
<b>UniProt ID:</b>	<a href="#">Q9UJ90</a>
<b>Cytogenetics:</b>	Xq23
<b>Protein Families:</b>	Druggable Genome, Ion Channels: Other, Transmembrane

**Gene Summary:**

This gene encodes a member of a family of single pass transmembrane domain proteins that function as ancillary subunits to voltage-gated potassium channels. Members of this family affect diverse processes in potassium channel regulation, including ion selectivity, voltage dependence, and anterograde recycling from the plasma membrane. Variants of this gene are associated with idiopathic ventricular fibrillation and Brugada syndrome. [provided by RefSeq, Nov 2016]