

Product datasheet for **SC330826**

KCNE1 (NM_001270404) Human Untagged Clone

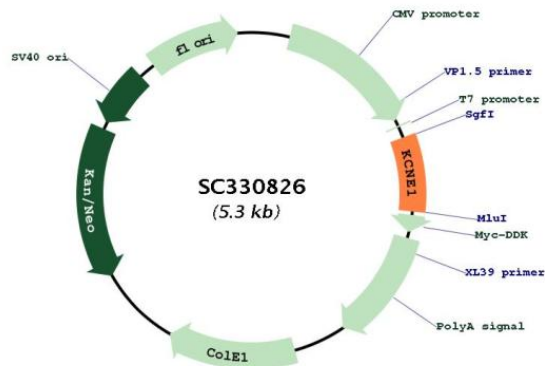
Product data:

Product Type: Expression Plasmids
Product Name: KCNE1 (NM_001270404) Human Untagged Clone
Tag: Tag Free
Symbol: KCNE1
Synonyms: ISK; JLNS; JLNS2; LQT2/5; LQT5; MinK
Vector: pCMV6-Entry (PS100001)
Fully Sequenced ORF: >SC330826 representing NM_001270404.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

```
ATGATCTGTCTAACACCACAGCGGTGACGCCCTTTCTGACCAAGCTGTGGCAGGAGACAGTTCAGCAG
GGTGGCAACATGTCGGGCCTGGCCCGCAGGTCCCCCGCAGCAGTGACGGCAAGCTGGAGGCCCTCTAC
GTCCTCATGGTACTGGGATTCTTCGGCTTCTTACCCTGGGCATCATGCTGAGCTACATCCGCTCCAAG
AAGCTGGAGCACTCGAACGACCCATTCAACGTCTACATCGAGTCCGATGCCTGGCAAGAGAAGGACAAG
GCCTATGTCCAGGCCCGGTCTGGAGAGCTACAGGTCGTGCTATGTCGTTGAAAACCATCTGGCCATA
GAACAACCAACACACACCTTCTGAGACGAAGCCTTCCCATGA
```

Restriction Sites: SgfI-MluI

Plasmid Map:



ACCN: NM_001270404



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| | |
|-------------------------------|---|
| Insert Size: | 390 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_001270404.1 |
| RefSeq Size: | 3239 bp |
| RefSeq ORF: | 390 bp |
| Locus ID: | 3753 |
| UniProt ID: | P15382 |
| Cytogenetics: | 21q22.12 |
| Protein Families: | Druggable Genome, Ion Channels: Other, Transmembrane |
| MW: | 14.7 kDa |
| Gene Summary: | <p>The product of this gene belongs to the potassium channel KCNE family. Potassium ion channels are essential to many cellular functions and show a high degree of diversity, varying in their electrophysiologic and pharmacologic properties. This gene encodes a transmembrane protein known to associate with the product of the KVLQT1 gene to form the delayed rectifier potassium channel. Mutation in this gene are associated with both Jervell and Lange-Nielsen and Romano-Ward forms of long-QT syndrome. Alternatively spliced transcript variants encoding the same protein have been identified. [provided by RefSeq, Jul 2008]</p> <p>Transcript Variant: This variant (7) differs in the 5' UTR, compared to variant 2. All variants encode the same protein. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p> |