

## Product datasheet for **SC325691**

### KCNK17 (NM\_001135111) Human Untagged Clone

#### Product data:

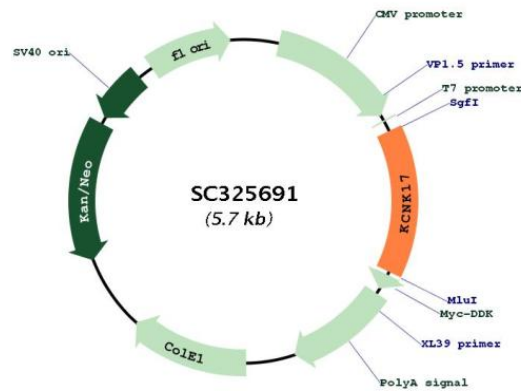
Product Type:	Expression Plasmids
Product Name:	KCNK17 (NM_001135111) Human Untagged Clone
Tag:	Tag Free
Symbol:	KCNK17
Synonyms:	K2p17.1; TALK-2; TALK2; TASK-4; TASK4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC325691 representing NM_001135111. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGTACCGACCGCGAGCCCGGGCGGCTCCCGAGGGCAGGGTCCGGGGCTGCGCGGTGCCAGCACCGTG
CTCCTGCTGCTCGCTACCTGGCTTACCTGGCGCTGGCACCGCGTGTCTGGACGCTGGAGGGCCGC
GCGGGCAGGACTCCAGCCGAGCTTCCAGCGGACAAGTGGGAGCTGTTGCAGAACTTCACGTGTCTG
GACCGCCCGGCGCTGGACTCGTGATCCGGGATGTCGTCGAAGCATACAAAACGGAGCCAGCCTCCTC
AGCAACACCACCAGCATGGGGCGCTGGGAGCTCGTGGGCTCCTTCTTTCTGTGTCCACCATCAC
ACCATTGGCTATGGCAACCTGAGCCCCAACACGATGGCTGCCCGCCTCTCTGCATCTTCTTTGCCCTT
GTGGGATCCCACTCAACCTCGTGGTGCTCAACCGACTGGGGCATCTCATGCAGCAGGGAGTAAACCAC
TGGGCCAGCAGGCTGGGGGCACCTGGCAGGATCCTGACAAGGCGCGGTGGCTGGCGGGCTCGGCC
CTCCTCTCGGGCCTCCTGCTCTTCTGCTGCTGCCACCGCTGCTCTTCTCCACATGGAGGGCTGGAGC
TACACAGAGGGCTTCTACTTCGCCTTATCACCTCAGCACCGTGGGCTTCGGCGACTACGTGATTGCA
AGCTGCCTCATTTTCAGATACGAGAAAACAAACAGAGACTGGCAAACACTAGAGCGGACATCGAAATCC
TCTGGGGCTTGTAAAATACAGATTTCTGGCCGGGCACGGTGGCTCACACCTGTAA
ACGGCTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGCGC
```

Restriction Sites: SgfI-MluI



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**Plasmid Map:**


**ACCN:** NM\_001135111

**Insert Size:** 816 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).

**OTI Annotation:** This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

**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\\_001135111.1](#)

**RefSeq Size:** 1741 bp

RefSeq ORF:	816 bp
Locus ID:	89822
UniProt ID:	<a href="#">Q96T54</a>
Cytogenetics:	6p21.2
Protein Families:	Druggable Genome, Ion Channels: Potassium, Transmembrane
MW:	30 kDa
Gene Summary:	<p>The protein encoded by this gene belongs to the family of potassium channel proteins containing two pore-forming P domains. This channel is an open rectifier which primarily passes outward current under physiological K<sup>+</sup> concentrations. This gene is activated at alkaline pH. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Sep 2008]</p> <p>Transcript Variant: This variant (2) contains an additional exon at the 3' end compared to transcript variant 1. This results in a frame-shift and a shorter isoform (2) with a distinct C-terminus compared to isoform 1.</p>