

## Product datasheet for **SC335319**

### **KCTD17 (NM\_001282684) Human Untagged Clone**

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** KCTD17 (NM\_001282684) Human Untagged Clone  
**Tag:** Tag Free  
**Symbol:** KCTD17  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Fully Sequenced ORF:** >SC335319 representing NM\_001282684.  
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

```
GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCCGCGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGCAGACGCCGCGCGCCGGCGATGAGGATGGAGGCCGGGGAGGCAGCGCCGCGCGGGGGCGGGCGGC
CGCGCCGAGGCGGTGGGGCAAGTGGGTGCGGCTCAACGTGGGGGGCACGGTGTTCCTGACCACCCGG
CAGACGCTGTGCCGCGAGCAGAAGTCCTTCTCAGCCGCTGTGCCAGGGGAAGAGCTGCAGTCGGAC
CGGGATGAGACCGGGGCTACCTCATTGACCGTGACCCACCTACTTCGGGGCCATCCTGAATTCCTC
CGGCATGGCAAGCTGGTGTGGACAAGGACATGGCTGAGGAGGGGTCTGGAGGAAGCCGAGTTCTAC
AACATCGGCCCGCTGATCCGCATCATCAAAGACCGGATGGAAGAGAAGGACTACACGGTCACCCAGGTC
CCACCAAGCACGTGTACCGCGTGTGCAAGTGCAGTGCAGGAGGAGGACTCACGCAAATGGTCTCCACCATG
TCTGATGGCTGGCGCTTCGAGCAGCTGGTGAACATCGGCTCCTCCTACAACACGGCAGCGAGGACCAG
GCAGAGTTCCTGTGTGGTGTCCAAGGAGCTCCACAGCACCCCAACGGGCTGAGCTCAGAGTCCAGC
CGCAAAACCAAGAGCACGGAGGAGCAGCTGGAGGAGCAGCAGCAGCAGGAGGAGGAGGTGGAGGAGGTG
GAGGTGGAACAGGTGCAGGTGGAGGCAGATGCACAGGAGAAAGCCAGTCATCTCAGGATCCCGCTAAC
CTTTTCTCCCTCCACCACTGCCTCCTCCTCCGCTTCCCGCTGGAGGTTCCCGTCCGCACCTCTCAGA
CCTGAGGCTGAGTTGCAGTGAGGGCTTCTCCTCGGCCCTCGCCGCCCCAGAGCTGCCATCCCTGC
TGTTACAAGCCAGAGGCACCCGGATGTGAGGCCAGATCACCTCCAGGACTTGGGGTCCCATCTGA
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ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTAAACGGCCGGC
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**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_001282684  
**Insert Size:** 966 bp



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<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>	<u><a href="#">NM_001282684.1</a></u>
<b>RefSeq Size:</b>	1779 bp
<b>RefSeq ORF:</b>	966 bp
<b>Locus ID:</b>	79734
<b>UniProt ID:</b>	<u><a href="#">Q8N5Z5</a></u>
<b>Cytogenetics:</b>	22q12.3
<b>Protein Families:</b>	Ion Channels: Other
<b>MW:</b>	35.7 kDa
<b>Gene Summary:</b>	<p>This gene encodes a protein that belongs to a conserved family of potassium channel tetramerization domain (KCTD)-containing proteins. The encoded protein functions in ciliogenesis by acting as a substrate adaptor for the cullin3-based ubiquitin-conjugating enzyme E3 ligase, and targets trichoplein, a keratin-binding protein, for degradation via polyubiquitylation. A mutation in this gene is associated with autosomal dominant myoclonic dystonia 26. [provided by RefSeq, Nov 2016]</p> <p>Transcript Variant: This variant (1) represents the longest transcript and encodes the longest isoform (1).</p>