

Product datasheet for **SC122966**

KCTD17 (NM_024681) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	KCTD17 (NM_024681) Human Untagged Clone
Tag:	Tag Free
Symbol:	KCTD17
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_024681 edited
 AGCGGGCGGACGCGCGCGCCGGCGATGAGGATGGAGGCCGGGGAGGCAGCGCCGCCGGCG
 GGGGCGGGCGGCCGCGCCGACGGCGGCTGGGGCAAGTGGGTGCGGCTCAACGTGGGGGGC
 ACGGTGTTCTGACCACCCGGCAGACGCTGTGCCGCGAGCAGAAGTCTTCTCAGCCGC
 CTGTGCCAGGGGGAAGAGCTGCAGTCGGACCGGATGAGACCGGGGCTACCTCATTGAC
 CGTGACCCACCTACTTCGGGCCATCCTGAACTTCTCCGGCATGGCAAGCTGGTGCTG
 GACAAGGACATGGCTGAGGAGGGGTCTGGAGGAAGCCGAGTTCTACAACATCGGCCCG
 CTGATCCGCATCATCAAAGACCGGATGGAAGAGAAGGACTACACGGTCACCCAGTCCCA
 CCCAAGCATGTGTACCGGTGCTGCAGTGCCAGGAGGAGGCTCACGCAATGGTCTCC
 ACCATGTCTGATGGCTGGCGCTTCGAGCAGCTGGTGAACATCGGCTCCTCTACAACCTAC
 GGCAGCGAGGACCAGGCAGAGTCTGTGTGGTGTCCAAGGAGCTCCACAGCACCCCA
 AACGGGCTGAGCTCAGAGTCCAGCCGAAAACCAAGAGCACGGAGGAGCAGCTGGAGGAG
 CAGCAGCAGCAGGAGGAGGAGTGGAGGAGTGGAGTGAACAGGTGCAGGTGGAGGCA
 GATGCACAGGAGAAAGTTCCCGTCCGACCCCTCTCAGACCTGAGGCTGAGCTTGACGTG
 AGGGCTTCTCCTCGGCCCTCGCCGCCCCAGAGCTGCCATCCCTGCTGTTACAAGCCA
 GAGGCACCCGGATGTGAGGCCCAAGATCACTCCAGGGACTTGGGGTCCCATCTGAAAT
 CCTTTATTTTTGTACCATGGGGTGGGCCCGGGCTGAGAAGGAAGAAGCACCCCTCTCC
 CGGCCTCCTGTCTGCACCCGTGGGGCTGTGACTTACTCCTGCCTCCAGGGGCGGGGGC
 GGGCCCCCTGGGACCTTTAAGGCCAAAGGTGGGCCCAAGGACCTTGGGCAGAGTGA
 CTGCTCATGGCAGATGTGTGGCAATGTCTGGCTGTGTCTCCGGCACCTGCGTCCCTC
 TCCCGGGCTCCCTGTGCATGGTGGATGTGCTCCTTCTGGCCCGGTACATTGCCTCC
 TTGAGCCTTAGTCCAGGGGTCACTCCTCCACCCACCTACCTCACAGGGTTGTGTGA
 GGGTGACACAGAGGAGCAAAGTCCCTGAAGGCCCTCAGGCAGTATATAGGGGCCGCCACC
 TTCAGTGCCTGGGATGGGAAGGACCCAGCCGACCCCTGGGCATAACACTGTGTTTGC
 AAATGGAGATTACAGTATTGGGGATGCAGTGTGGGGAGCTGGCCTGGCAGAGTAGGGG
 TAGTTGGCTTGGCCTTCTCTTGGTGATCCACCCCGAGCATTGATTGCTGGCCAG
 CGCCTGGCCTGGGGGGCGGGGAGAGGCAGCAGAAGGGGCTGGGCAGGGGCGGTGGAGGAC
 TCAGGAACTGCCCGGGGAGAGTGGGTATGGCGGCTGAGCCAGGGGCCCTCTGTGTTGA
 CTTCCCGGATGGGTCTTGCTTCTCAGCTGTGTCGACCCACCATGTAATAAAACCCA
 AAGGAACAGCAAAAAAAAAAAAAAAAAA

5' Read Nucleotide Sequence: >OriGene 5' read for NM_024681 unedited
 NGGAGTTGTATTTTGTATACGACTTACTATAGCGGCCGCATAACTTCGTATAGCATAACA
 TTATACGAAGTTATGGATCAGGCCAAATCGGCCGAGCTCGAATTCGTCGAGAGCGGGCGG
 ACGCCGCGGCCGCGATGAGGATGGAGGCCGGGAGGCAGCGCCGCCGGGGGGCGGGC
 GGCCGCGCCGACGGCGCTGGGGCAAGTGGGTGCGGCTCAACGTGGGGGGCACGGTGTT
 CTGACCACCCGGCAGACGCTGTGCCGCGAGCAGAAGTCTTCTCAGCCGCTGTGCCAG
 GGGGAAGAGCTGCAGTCGGACCGGATGAGACCGGGCTACCTCATTGACCGTGACCCC
 ACCTACTTCGGGCCATCCTGAACTTCTCCGGCATGGCAAGCTGGTGTGGACAAGGAC
 ATGGCTGAGGAGGGGTCTGGAGGAAGCCGAGTTCTACAACATCGGCCCGCTGATCCGC
 ATCATCAAAGACCGGATGGAAGAGAAGGACTACACGGTCAACCCAGGTCCACCCAAGCAT
 GTGTACCGCTGTGTCAGTGCCAGGAGGAGGCTCACGCAATGGTCTCCACCATGTCT
 GATGGCTGGCGCTTCGAGCAGCTGGTGAACATCGGCCTCTCTACAACCTACGGCAGCGAG
 GACCAGGCAGAGTTCTGTGTGGTGTCCAAGGAGCTCCACAGCACCCCAACGGGCTG
 AGCTCAGAGTCCAGGCCGAAAACCAAGAGCACGGAGGAGCAGCTGGGGGAGCAACAGCAA
 CAAGAAGAGGAGTGGAGAAAGTTGAAGTGAACAAGTCCANGTGGAGGCAGATGCCAG
 GAGGAAAGTTCCCGTCCGACCCCTCTCAGACCTGAGGCTTACCTGCAATGAGGGCTTC
 TCCTCG

Restriction Sites: Please inquire
ACCN: NM_024681
Insert Size: 1707 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_024681.1 , NP_078957.1
RefSeq Size:	1854 bp
RefSeq ORF:	1707 bp
Locus ID:	79734
UniProt ID:	Q8N5Z5
Cytogenetics:	22q12.3
Protein Families:	Ion Channels: Other
Gene Summary:	<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 (2) lacks an alternate in-frame exon in the 3' coding region, compared to variant 1. It encodes isoform 2, which lacks an internal segment and is shorter, compared to isoform 1.</p>