

## Product datasheet for **SC112346**

### **KCTD14 (NM\_023930) Human Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	KCTD14 (NM_023930) Human Untagged Clone
Tag:	Tag Free
Symbol:	KCTD14
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_023930, the custom clone sequence may differ by one or more nucleotides

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ATGTGGCAGGGCTGCGCAGTGGAGCGGCCAGTGGGCAGGATGACGAGCCAGACCCCTCTGCCCCAGTCCC  
CCCGGCCAGGCGGCCAACGATGTCTACTGTTGTGGAGCTGAACGTCGGGGGTGAGTTCCACACCACCAC  
CCTGGGTACCCTGAGGAAGTTCCGGGCTCAAAGCTGGCAGAGATGTTCTCTAGCTTAGCCAAGGCCTCC  
ACGGACGCGGAGGGCCGCTTCTTCATCGACCGCCCCAGCACCTATTTAGACCCATCCTGGACTACCTGC  
GCACTGGGCAAGTGCCACACAGCACATCCCTGAAGTGTACCGTGAGGCTCAGTTCTACGAAATCAAGCC  
TTTGGTCAAGCTGCTGGAGGACATGCCACAGATCTTTGGTGAGCAGGTGTCTCGGAAGCAGTTTTTGCTG  
CAAGTGCCGGGTACAGCGAGAACCTGGAGCTCATGGTGCCCTGGCACGTGCAGAAGCCATAACAGCAC  
GGAAGTCCAGCGTGCTTGTGTGCCTGGTGGAACTGAGGAGCAGGATGCATATTATTAGAGGTCTCTGTG  
TTTTCTGCAGGATAAGAAGATGTTCAAGTCTGTTGTCAAGTTTGGGCCCTGGAAGGCGGTCTAGACAAC  
AGCGACCTCATGCACTGCCTGGAGATGGACATTAAGGCCAGGGGTACAAGGTATTCTCCAAGTTCTACC  
TGACGTACCCACAAAAGAAACGAATTCCATTTAACATTTATTATTACCTTACCTGGTGGTGA
```



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<b>5' Read Nucleotide Sequence:</b>	<p>&gt;OriGene 5' read for NM_023930 unedited</p> <p>TAATACGACTCACTATAGGGCGGCCGGAATTCGGCACGAGGGGAGCGGCCAGTGGGCAG  GATGACGAGCCAGACCCCTCTGCCCCAGTCCCCCGGCCAGGCGGCCGACGATGTCTAC  TGTTGTGGAGCTGAACGTCGGGGGTGAGTTCCACACCACCACCTGGGTACCCTGAGGAA  GTTTCCGGGCTCAAAGCTGGCAGAGATGTTCTCTAGCTTAGCCAAGGCCTCCACGGACGC  GGAGGGCCGCTTCTTCATCGACCGCCCCAGCACCTATTTTCAGACCCATCCTGGACTAC  GCGCACTGGGCAAGTGCCACACAGCACATCCCTGAAGTGTACCGTGAGGCTCAGTTCTA  CGAAATCAAGCCTTTGGTCAAGCTGCTGGAGGACATGCCACAGATCTTTGGTGAGCAGGT  GTCTCGGAAGCAGTTTTTGTGCAAGTGCCGGGTACAGCGAGAACCTGGAGCTCATGGT  GCGCCTGGCACGTGAGAAGCCATAACAGCACGGAAGTCCAGCGTGCTTGTGTGCCTGGT  GGAAACTGAGGAGCAGGATGCATATTTCAGAGGTCCTGTGTTTTCTGCAGGATAAGAA  GATGTTCAAGTCTGTTGTCAAGTTTGGCCCTGGAAGGCGGTCTAGACAACAGCGACCT  CATGCACTGCCTGGAGATGGACATTAAGGCCAGGGGTACAAGGTATTCTCCAAGTTCTA  CCTGACGTACCCACAAAAGAACAATCCATTNTACATTTTATTACCTTACCTTACCTGG  TGTTGATCCCTCAGAGCAGAGACTGGTATGAATCTGGCGTGGCTTATGAAATAAAAGNT  GCATCAAAGCCATTTCTTAATTCACAACATCAGCATTTTCAGGGTGGTCTANAGTCTGCA  CTAATATGATCCTCGTTAAGACTTTCATCATGCACTGAA</p>
<b>3' Read Nucleotide Sequence:</b>	<p>&gt;OriGene 3' read for NM_023930 unedited</p> <p>ATGTTTTCTTGCTGGTGTGCTCTTAGGAGAAGGGAGTGAGGGGAAGCAGCGCTAGGACAG  TAGGAAAAAACTGAGTAAGAATGTGCTCTCAGAAGAAGACTGACTTCAGCTTGATTCCA  TGAGGAGCTCTGGGAAAGGAAGTTCCTTGATGTAAGATGTCAGTCTTTGTACCTCCATA  CAAGAGGTAGCAATTTCTTTCTAGAGATGGTCTCAAAATTAGAATACATCAAAATCACTT  GGAGGGTTTGGTAAATCATAATGCTGTGCCAACCCAGAGATTCTGATTAGTGGTCT  GAGGTGGGGCCTGAGGATTTGTATTTCCAGCAAGTTCACAGTAATGCTGATGATGCACT  TTGAAAACCTCCACTCTAGAGAAGAGGACAGCTCTGAGGTGTAGCACCCACAGCATCTC  GCAAAGGGGATCAGGAAAGCACCTACTACATGAAGGCACATGCCATGGACAGATGGATTG  GACCCCAAGCTGGGGCTATGTAGACTACATCTTTAGGTGAGAACATCTAGATTCACAGTA  TCTTGTATGTTCTGTTGTCATCTCACATCTTTGCCAACGCATTGTTGAAACATTCTTA  CTTGGTCTTGTATTGGACTTCAAGAGAAAGTCTGGGAGATACATGATGCTCTGAAAAG  GAAGTAGCTGCAAGTTGCTAAGGCAATATAGTGGCATCAGTTGCCATGGAGTGAAAGTC  CTTAAACGAGTGATCAATATTTATTTGGCAGACTCTATACCAACCCTGGAATTTGCTGA  TGTTTGGTGAAATTAAGAAAATGGCTTTGATGGCAACTTTTTATTTTCATATCCCACGCC  ANAATTCATAACAGTCTCTGCTCCCTGAGATCACCACCAGTGGAAGCGAATGAATTAATG  TCAAAATGGNATTCGCTTCTTTTGGTGGGTACGTGAGTGAAGTGGAGATACCTTGGGA  CCCTGGGCCCTATGTCATCTCCGCCATGCATGAGTCTGTGTCTAGGACGCCTC</p>
<b>Restriction Sites:</b>	NotI-NotI
<b>ACCN:</b>	NM_023930
<b>Insert Size:</b>	1770 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).

**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\\_023930.2](#), [NP\\_076419.1](#)

**RefSeq Size:** 1688 bp

**RefSeq ORF:** 678 bp

**Locus ID:** 65987

**UniProt ID:** [Q9BQ13](#)

**Cytogenetics:** 11q14.1

**Domains:** BTB, K\_tetra

**Protein Families:** Ion Channels: Other