

Product datasheet for **SC320723**

KCTD5 (NM_018992) Human Untagged Clone

Product data:

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| Product Type: | Expression Plasmids |
| Product Name: | KCTD5 (NM_018992) Human Untagged Clone |
| Tag: | Tag Free |
| Symbol: | KCTD5 |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-AC (PS100020) |
| E. coli Selection: | Ampicillin (100 ug/mL) |



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Fully Sequenced ORF: >OriGene sequence for NM_018992.1
 CTGGGATCATGGCGGAGAATCACTGCGAGCTCCTGTGCGCCGGCCCGGGCGGCATCGGGG
 CGGGGCTGGGGGGCGGCCTGTGCCGCCGCTGCAGCGCTGGGCTCGGCGCCCTGGCCACG
 GCCCTGGCAGCGTGTCCAAGTGGGTCCGACTCAACGTCCGCGGCACCTACTTCCTCACCA
 CTCGGCAGACCCTGTGCCGGGACCCGAAATCCTTCTGTACCGCTTATGCCAGGCCGATC
 CCGACCTGGACTCAGACAAGGATGAAACAGGCGCCTATTTAATCGACAGAGACCCACCT
 ACTTTGGGCCTGTGCTGAACACTACCTGAGACACGGCAAGCTGGTGATTAACAAAGACCTCG
 CGGAGGAAGGAGTGTGGAGGAAGCAGAATTTTACAATATCACCTCATTAAATAAACTTG
 TAAAGGACAAAATTAGAGAACGAGACAGCAAAACATCGCAGGTGCCTGTGAAGCATGTGT
 ACCGTGTGCTGCAGTGCCAGGAGGAGGCTCACGCAGATGGTGTCCACCATGTCCGACG
 GCTGGAAGTTCGAGCAGTTGGTCAGCATCGGCTCCTTTACAACATATGGGAACGAAGACC
 AAGCCGAGTTCCTCTGTGTGGTGTCCAAGGAGCTGCACAACACCCCGTACGGTACGGCCA
 GCGAGCCAGCGAGAAGGCCAAGATTTTGAAGAACGAGGCTCAAGGATGTGAGGGACAC
 AGTATTGACAGCTGAAGAAATGATTTACGTTTTCCGAGATGTAATGAACTGCCATGTCC
 AGGAAGCTTGGCTGTGAGAAGAAACCTGCTTTTGATCATTTTTCTAGAGATCTGGGTGTG
 AATCCTTTTTTGCTCTGAGGTGGTGGTGGAGACGGGCCAGCTGTCCAAGGCCAGAC
 GTCCCAAGTTGGGGGAGCACGGCGCCGGTGGGCGCTGCCTCTTGGGGGGCCTCGCT
 CTGTTTTTCCAAGTGCCACGTGGGACTGAGGCAGACACTCCCAGTCAGCCCGCTCGATC
 CTGAAGATCGTGTGAAGGAAGCGTTCTTGGTGCTACACACAGTCTGGAAAAGCAGCCTGG
 GCTTCACTGGCAGGAAGCGGCCGAGCCGCGTCAAGTGTCCAGCACGTCTGGCCTCTGGT
 CCGACCACAGGCCCTAGTCTCGGTCAAGGAGTCTGCTCTGCCTCCCAGGCGGGATCGT
 GGTTCCTCTCGACCTCGCAGAGCTCCTGACAAAGGCGGCTTCTGCGTCTGCTACTGCTTCC
 CGGGCCTTCCGAGCCGGGCTTCTTCTGACACGGGCTCCAACCCACCTGACCAAGC
 CCGGGACAGTCAAGGCTTCTCAATTTGTATTTTCCAGGCAAGAGAACTTTGTACCCCTTC
 TCTGTGTGGATAGACTCCCCAGCGTTTTTCTCTGAAAATGCCACAGGGCTTGCCGCGT
 GGAGACTGATCTGTTCCATCCGTTAGCGCGAGGTAGCAGTGTGCGCTCGCCCTCCCACT
 GCGGGCTCACGGGAGCTGGCGTCTGTCAGTGCCTTGTACGCGCTGGCATAGAGTTGGG
 CTGGAGGCTGTCCACTGGCTTCTGGAGCTGAAGGTCTGCGTACGGTGAATAATCGGGA
 TGTTTACAGAGCATCACAATGCCTCTCTCGCCGCTCTCTCATTTTCTTTGTATAACT
 ATGCAGCCTTCCCTCTCTTTCTGGGATGTTTGGGACTTCACTCGACCTGCACGGGCTCTG
 CCCGACATGCCGTGGGAGCTGCTGGGATCCTTTAGAAAACGCTGCCCGCATGCTTTGAA
 AACAGACCTTCTCAGCTGGCTGTGGGACCTGTGAGAGTCTGGGACTCGGCGTGCAGG
 GCGGGCTCCAAGCGCTTTGCTTCCGGAACCTCCGCTTCCAAGGGGACTGTGCAGACTG
 ACCACCGGCTCCCGCTGCAGGTGAGAGGCTCTGACACTGTCTGGTTTCCAATGCTTCT
 GGAGACTTCTGCCTAGGCCTCATCCTCCTTTTGCCAGTCACTGATTAACCAATTCTC
 CAGCATTAGGACTTACCTCCTTCTTTTGTAAAGTCTCTGTATGTTGTTAAATGTTTGG
 CTTAAACAATTTATAAAAGCCTTCTAGAAGGCAGACTTAGCCCCAGCAGAGCCTGGGAG
 GAAGGCGGCCGCTGGGGCTCCTGGGCATCCTCTCTGGGAGCTGCTGGCCGCTTAGCGTT
 GTTTGATTTTTGACCTTGACATAGTAGTAGGCTTGTGGTTTTTTTAAATTTAAAGATATT
 AAGACTTAATTCATAAAATTTATTCTAAGGGGATATTTATACTTTTATACTTTTTTAGG
 TATCGATTTTATCAGCTTACAGTTAATGCCTAAGTTTCCCCTGAAAATAGCAAATAAA
 ATTGTGATTTATGAAAAAAAAAAAAAAAAAAAA

Restriction Sites: Please inquire

ACCN: NM_018992

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).

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| 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: | <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_018992.1 , NP_061865.1 |
| RefSeq Size: | 2476 bp |
| RefSeq ORF: | 705 bp |
| Locus ID: | 54442 |
| UniProt ID: | Q9NXV2 |
| Cytogenetics: | 16p13.3 |
| Domains: | BTB, K_tetra |
| Protein Families: | Ion Channels: Other |
| Gene Summary: | Its interaction with CUL3 suggests that it may act as a substrate adapter in some E3 ligase complex (PubMed:18573101). Does not affect the function of Kv channel Kv2.1/KCNB1, Kv1.2/KCNA2, Kv4.2/KCND2 and Kv3.4/KCNC4 (PubMed:19361449).[UniProtKB/Swiss-Prot Function] |