

Product datasheet for **SC324318**

KCTD10 (NM_031954) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	KCTD10 (NM_031954) Human Untagged Clone
Tag:	Tag Free
Symbol:	KCTD10
Synonyms:	BTBD28; hBACURD3; MSTP028; ULRO61
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for NM_031954.3
 CCGGGTTTGGAGACTCCTGCGTCCGACTTTTCATGGAAGAGATGTCAGGAGAAAGTG
 TGGTGAGCTCAGCGGTGCCAGCGGCTGTACCCGCACCACTTCTTCAAGGGCAGGAGCC
 CCAGCTCCAAATACGTGAAGCTGAATGTGGGTGGAGCCCTCTACTATAACCACCATGCAGA
 CGCTGACCAAGCAGGACACCATGCTGAAGGCCATGTTACGCGGGCGCATGGAAGTCTCA
 CCGACAGTGAAGGCTGGATCCTCATTGACCGCTGTGGGAAGCACTTTGGTACGATACTCA
 ACTACCTTCGAGACGGGGCGGTGCCTTTACCCGAGAGCCCGGGAGATCGAGGAGCTGC
 TAGCAGAAGCCAAGTACTACCTAGTCCAAGGCCTGGTGAAGAGTGCCAGGCGGCCCTAC
 AAAACAAAGATACTTATGAGCCTTTCTGCAAGGTCCCTGTGATCACCTCATCCAAGGAAG
 AACAAAACTTATAGCGACTTCAAATAAGCCAGCCGTGAAGTTGCTCTACAACAGAAGTA
 ACAACAAATACTCATATAACCAGCAATTCTGACGACAATATGTTGAAAAACATTGAACTGT
 TTGATAAGCTGTCTCTGCGCTTTAACGGAAGGGTCTGTTCATAAAGGATGTCATTGGGG
 ATGAAATCTGCTGCTGGTCCCTTTATGGTCAGGGCCGGAAGATTGCTGAAGTCTGTTGTA
 CCTCCATCGTCTATGCCACTGAGAAGAAACAGACCAAGGTGGAGTTTCCCGAAGCCCGGA
 TTTATGAGGAGACCCTGAACATTTTGTGTATGAGGCCAGGATGGCCGGGGACCTGACA
 ATGCGCTCCTGGAGGCCACAGGCGGGGCGGGGCGCTCCCACCACCTGGACGAGGACG
 AGGAGCGGGAGCGGATCGAGCGCGTGGGAGGATCCACATCAAGCGCCCTGATGACCGGG
 CCCACCTCCACAGTGAAGCAGCAAGAGACCGAGCCGCCCTCCTCACCAGCCCACTC
 CCTGCCGTGCTACACCCAGATCCTGTGCAAGGCTGCCGGGCCCTTCTGCTTCCCTTGGAG
 CCTGGAGATACTTTTGTAAAGCCAGATGATTATTTTGGTATTGCTTGACAAGGCAAAT
 TGATTGCTTGACCCAGGCGTATGACCCCTGTCGTTGAACAAGCTGTGTCTAAGATCTCT
 ACTTTTTCATGAGAATCTGAGACTCTTTGGAGCCAGGCTTTCTCGTTTCTCAGAGGAAAAG
 TATGAATGAGTGTGAAGTGTATGTGAGAACTTTTGTGCAATATTTATTTTGTGGGTG
 TCGACTTCTATGTGGGCTTTTGGGTGACTCCCTTAAGGGTTCAGTTTGACAATTCT
 GAGAGTTGCTCCTGCAGTTGGAGGCCACCAGAGGTATCTGAGCTCCCTGCTTCTATTTCA
 TAATCCTCCAGCCCAAGCAGGTCCACTCCTGGTTCCTGTGTGTTGGCCCGGCACAATC
 CCCACTGCTTTGCTAGACGTGCTTTCTGCCATGTGGCTTTGGCCTAGAGCTTGTGATA



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ATTGCAGCTTGTGGCAGTGGAAATATGGCTGAATGAGTGTCTAAATCGTTGAGACCAAGT
 CAACCTTTGGGTGCAAGGCTTTGTTTAGGGATCAAGCCTTTTCCACCTTTGGGCTGGTCTT
 TGGCCTGGTGCTCACTGGGACCCCATATGTCTGCGTAGGAGCAGAACTTTCCATGGCAGT
 AAGTGTCCAGCTCTGTTTCTGGTTCTTTCCCAACTCCAGCCCGTCCAGTTGTTCTCCT
 GATTGACCCGACTCCACTCCAGGAAGGCCATCTGACCCTGTGACAGGCATAGCTCATAAA
 CTACCCCTCCCTGGGATCCCGCTCCTCTCAGCCTCCTTCCCATGAAGCTGGGCTAACT
 TTCTAAGTCATTTTGTCTAGAAATTCAGTGTGGCCCATACCCTTTGTCTCCAGCCTGG
 CATCCAGGCAGGGACACCCTCACACCAGCCAGCCAGGGAGCTTCCCTGCTATAAACACA
 GACCCCTTGTCTTTGCCTCTGATTTTTACACAGTGTAGAGTGGCCAGCAGTGAACAGGT
 TGAGGATGTGCGGGTAGATAGATAAATTTGGGTCTGGTTTGTGTCTGTGTTTATGTTTGT
 TTAAGGGATGTGTACTGTGGGTGGGACGTGTGCTTGTGGGCACAGGTGGCCCTGCT
 GGAGCCCGGCTGGGCGCAGCGCTATGTAGGACGGGTGTTCTCAGTGACCTACCTCCAG
 GCTCCTCTGCACCTGCAAAGGAACAGGAGTGAGTCGTGACTGACAGGGTGGTTGAGACT
 AGACTAGGTAGAGTAGTTACCAGGAGATGTAATGTGCGTCAGGTGATGGATGGGTTTGT
 CAAGGGAATCGTTACCGTTTTATACCAAAGGTATTAACATGGGCAGCCTTTGACACATGT
 ATTCCAAAACGAGTTTATATTTTCAAACGGTTTTTACAGCTTAGACTTTGTACTTACTG
 CCCTGCCTGTGACAGTTGTATGCCTTCATTTTGTATCCAACAGCAAAGTCTACAATAAAA
 CTTTAAACAATCATGACTGAATGTCAAATCGTGTATTGGGCAGATGCTTTTTAAACTG
 TCGTGTGAGAACTTTTTATATTAGGCCATTTGGATTTTAAAGTGCTAAGGAAAGAGGG
 CTTACAAAATGTTTCGTAATAATTTTATACTGTTAAGTGTTAAACCAACCCCTGTCTT
 TCTTTTGGGTTGAGCTTTTTTAGAAAGTGAAGTGAATGTTGGCCAGGAAATGGAAAAG
 CCATTGTATAAATTTTTTTTTGAGGCGGAGTCTGTCTATTGGCCAGGCTGGAGTGTAG
 TGGCACCATCTCCACTTACCACAACCTTGTGCCTCCTGGGTTCAAGCGATTCTGCTGCCT
 AGCCTCCCGAGTAGCTGGGATTGCAGGTACCCATCAGCCATGCCAGCTAATTTTGTAT
 TTTTAGTAGAGATGGGTTTTACCATGTTGGCCAGGCTGGTCTTGAACCTCTGACCTGT
 GATCCGACCACCTTGGCCTCCCAAAGTGTGGGATTACAGGTGTGAGTACCACACCTGG
 CTGCATAGTGTTTAAATGTTTGTGAAGAATGAGTTTGTGGAACAATTTGATTTGCTG
 TGGCCTCTATGCCTAATGAGCTAGTGTCTTGGCAGCTCTCTCTACCCAACCTTGCACCT
 GTAGTTTTGAGTCTTTGTCTCTCTGGAATATGAACAGGTTTATAAAACATTCCATGGTGA
 ACAATTCTGTGCGCTGCATTATAGCCATGAGTGAATAGACAGCATTGGCTGGTCCAAGCT
 CTGTTATTGAGTATAAAGGAAGTATTTTTCTTATGTTAGCACTAAGGGCAAAAACCAA
 TATTTATAATGTAAGCACTATCCAGGTAACAACTGGCCCAAGATTTGGTAAAGAGATTT
 CATTGCAATGTAATAACTACAGTTTTTTACAAATTGGAACAGCTTTGGTGTGCTGAATC
 AAGGGTTTTTTTTGTTTGTGTTTCAAATAAGCCATCTGATTGTGGTACTGGGGCCCA
 TGTCCAAGACAATTCCTGGCATATTCTGTACCCTCCCGTGGGGCGATCACTGTGTGGGG
 ACCCCATTCCCAGTTAAAGTGTGTCTGTACCTTACAACAGCGATTACAGGACCCAAAGT
 GTGAACAACACTCAGCCCGCCCTCTGGAGCGTGTGCTGTCTTTAGGGCTTACCCAAAGT
 CACTGTAACAGTTAAGTGTGTCATTAACCTTTCTGTCTTTTGGCCATAAAAAAATGCT
 CAAAGTTTTAGATGTAGCCACTGTATGTTGTACAAACGTTGGCGACATGTAATAAAAAAG
 TCATAAAATGCAA

- Restriction Sites:** Please inquire
- ACCN:** NM_031954
- 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:	<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_031954.3 , NP_114160.1
RefSeq Size:	4057 bp
RefSeq ORF:	942 bp
Locus ID:	83892
UniProt ID:	Q9H3F6
Cytogenetics:	12q24.11
Domains:	BTB, K_tetra
Protein Families:	Ion Channels: Other
Gene Summary:	<p>The protein encoded by this gene binds proliferating cell nuclear antigen (PCNA) and may be involved in DNA synthesis and cell proliferation. In addition, the encoded protein may be a tumor suppressor. Several protein-coding and non-protein coding transcript variants have been found for this gene. [provided by RefSeq, Dec 2015]</p> <p>Transcript Variant: This variant (2) uses an alternate in-frame splice junction compared to variant 1. The resulting isoform (2) has the same N- and C-termini but is 1 aa shorter compared to isoform 1.</p>