

Product datasheet for **SC106747**

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:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC106747 sequence for NM_031954 edited (data generated by NextGen Sequencing)

```

ATGGAAGAGATGTCAGGAGAAAAGTGTGGTGAGCTCAGCGTGCCAGCGGCTGCTACCCGC
ACCACTTCTTCAAGGGCACGAGCCCCAGCTCCAATACGTGAAGCTGAATGTGGGTGGA
GCCCTCTACTATACCACCATGCAGACGCTGACCAAGCAGGACACCATGCTGAAGGCCATG
TTCAGCGGGCGCATGGAAGTGCTCACCGACAGTGAAGGCTGGATCCTCATTGACCGCTGT
GGGAAGCACTTTGGTACGATACTCAACTACCTTCGAGACGGGGCGGTGCCTTTACCCGAG
AGCCGCCGGGAGATCGAGGAGCTGCTAGCAGAAGCCAAGTACTACCTAGTCCAAGGCCTG
GTGGAAGAGTGCCAGGCGGCCCTACAAAACAAAGATACTTATGAGCCTTTCTGCAAGGTC
CCTGTGATCACCTCATCCAAGGAAGAACAAAACTTATAGCGACTTCAAATAAGCCAGCC
GTGAAGTTGCTCTACAACAGAAGTAACAACAAATACTCATATACCAGCAATTCTGACGAC
AATATGTTGAAAAACATTGAACTGTTTGATAAGCTGTCTCTGCGCTTTAACGGAAGGTC
CTGTTCATAAAGGATGTTATTGGGGATGAAATCTGCTGCTGGTCCTTTTATGGTCAGGGC
CGGAAGATTGCTGAAGTCTGTTGTACCTCCATCGTCTATGCCACTGAGAAGAAACAGACC
AAGGTGGAGTTTCCCGAAGCCCGGATTTATGAGGAGACCTGAACATTTTGTGTATGAG
GCCCAGGATGGCCGGGGACCTGACAATGCGCTCCTGGAGGCCACAGGCGGGGGCGGGGG
CGCTCCCACCACCTGGACGAGGACGAGGAGCGGGAGCGGATCGAGCGCTGCGGAGGATC
CACATCAAGCGCCTGATGACCGGGCCACCTCCACCAAGTGA

```

Clone variation with respect to NM_031954.3



[View online »](#)

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_031954 unedited
 ATTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGGCACGAGGCTCCTGCGTCCTC
 CGACTTTTCATGGAAGAGATGTCAGGAGAAAGTGTGGTGAGCTCAGCGGTGCCAGCGGCT
 GCTACCCGCACCCTTCTTCAAGGGCACGAGCCCCAGCTCCAAATACGTGAAGCTGAAT
 GTGGGTGGAGCCCTCTACTATACCACCATGCAGACGCTGACCAAGCAGGACACCATGCTG
 AAGGCCATGTTTCAGCGGGCGCATGGAAGTGCTCACCGACAGTGAAGGCTGGATCCTCATT
 GACCGCTGTGGGAAGCACTTTGGTACGATACTCAACTACCTTCGAGACGGGGCGGTGCCT
 TTACCCGAGAGCCGCGGGAGATCGAGGAGCTGCTAGCAGAAGCCAAGTACTACCTAGTC
 CAAGGCCCTGGTGAAGAGTGCCAGGCGGCCCTACAAAACAAAGATACTTATGAGCCTTTC
 TGCAAGGTCCTGTGATCACCTCATCCAAGGAAGAAACAAAACTTATAGCGACTTCAAAT
 AAGCCAGCCGTGAAGTTGCTCTACAACAGAAGTAAACAACAATACTCATATACCAGCAAT
 TCTGACGACAATATGTTGAAAAACATTGAACTGTTTGATAAGCTGTCTCTGCGCTTAAAC
 GGAAGGGTCTGTTCAAAAGGATGTTATTGGGGATGAAATCTGCTGCTGGTCTTTTAT
 GGTGAGGCGGNAAGAATGCTGAAGTCTGTTGTACCTCCATCGTCTATGCCACTGAGAAG
 AAACAGACCAAGGTGGAGTTTTCCGAAGCCGTATTATGAGGAGACCCCTGACATTTTGC
 TGTATGAAGCCCCAGATGGGCCGGACCTGACATGCGCTCCTGGAGCCACAGG

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_031954 unedited
 TATGGAACGGCGCCGAATCTAGGATCGAGTTTTTTTTTTTTTTTTTTTATTGGTTTAAA
 GTTTTATTGTAGACTTTGCTGTTGGATACAAAATGAAGGCATACAACCTGCACAGGCAGG
 GCAGTAAGTACAAAGTCTAAGCTGTAAAAACCGTTTGAAAATATAAACTCGTTTTTGAA
 TACATGTGTCAAAGGCTGCCCATGTTAATACCTTTGGTATAAAACGGTAACGATTCCCTT
 GACAAACCCATCCATCACCTGACGCACATTACATCTCCTGGTAACTACTCTACCTAGTC
 TAGTCTCAACCACCCCTGTCAGTCACGACTCACTCCTGTTCCCTTGCAGGTGCAGAGGAG
 CCTGGGAGGTAGGTCACTGAGAACACCCGTCCTACATAGGCGCTGCGCCAGCCGGGCTC
 CAGCAGGGGCCACCTGTGCCCCACAAGCACACGTCACCCACCCACAGTCACACATATCCCT
 TAAACAAACATGAACACAGACACAAACCAGACCCAAAGTTATCTATCTACCCGCACATCC
 TCAACCTGTTCACTGCTGGCCACTTACTGCGCAAAAATCAAAGGCCAAGACAAGGGG
 GCCTGTGCCCATAGCATGGAAGTCCCTGTGGCCCGTGGCGTTAGGGTTTTCTTCTGCTG
 ATCCCCCTGGGATGCCAATGGTTTGGGCCACCCGCATTTTTCTCAACTGTCTTCTCCC
 GTTTCCTCCCTCTTCTTCCCCCGCCCCCAATGATTTGACCCCGTTGCCACCCCTCC
 CCTTCCCGCTCCATGCCAAATTCCTTCTGTACCGCACCCGCGCCCCCCCCCCTTCC
 TTCACCCCTCTCCCCGCTCAATTCCTTCTTCTGATCGGCCACCCCTCCGCGCCTTGC
 CCCAGCACACAGATCGTGGTGTACCATTATTATTTTCGTTTCATGTTTTTCTTCTCC
 CACTTTCTT

Restriction Sites:

NotI-NotI

ACCN:

NM_031954

Insert Size:

2660 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:

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: 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]

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.