

Product datasheet for **SC330646**

KCTD1 (NM_001258221) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: KCTD1 (NM_001258221) Human Untagged Clone
Tag: Tag Free
Symbol: KCTD1
Synonyms: C18orf5
Vector: pCMV6-Entry (PS100001)
Fully Sequenced ORF: >SC330646 representing NM_001258221.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

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ATGTCAAGACCTCTGATCACTAGATCCCCTGCATCTCCACTGAACAACCAAGGCATCCCTACTCCAGCA  
CAACTCACAAAATCCAATGCGCCTGTCCACATTGATGTGGGCGGCCACATGTACACCAGCAGCCTGGCC  
ACCCTCACAAAATACCCTGAATCCAGAATCGGAAGACTTTTTGATGGTACAGAGCCCATTTTGGAC  
AGTCTCAAACAGCACTATTTTATTGACAGAGATGGACAGATGTTTCAAGATATATCTTGAATTTTCTACGA  
ACATCCAAACTCCTCATTCTGATGATTTCAAGGACTACACTTTGTTATATGAAGAGGCAAAATATTTT  
CAGCTTCAGCCCATGTTGTTGGAGATGGAAGATGGAAGCAGGACAGAGAACTGGTCGATTTTCAAGG  
CCCTGTGAGTGCCTCGTGTGCGTGTGGCCCAGACCTCGGAGAAAGGATCACGTAAGCGGTGACAAA  
TCCTTGATAGAAGAAGTATTTCCAGAGATCGGGCAGCTGATGTGTAACCTGTCAATGCAGGCTGGAAT  
CAGCACTCGACGCACGTATCAGGTTTCCACTAAATGGCTACTGTACCTCAACTCAGTCCAGGTCCTC  
GAGAGGTTGCAGCAAAGAGGATTTGAAATCGTGGGCTCCTGTGGGGGAGGAGTAGACTCGTCCCAGTTC  
AGCGAATACGTCCTTCGGCGGAACTGAGGCGGACGCCCCGTGTACCCTCCGTATCCGGATAAAGCAA  
GAGCCTCTGGACTAA
```

Restriction Sites: Sgfl-Mlul
ACCN: NM_001258221
Insert Size: 774 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).



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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_001258221.1](#)

RefSeq Size: 1715 bp

RefSeq ORF: 774 bp

Locus ID: 284252

UniProt ID: [Q719H9](#)

Cytogenetics: 18q11.2

Protein Families: Ion Channels: Other

MW: 29.4 kDa

Gene Summary: This gene encodes a protein containing a BTB (Broad-complex, tramtrack and bric a brac), also known as a POZ (POxvirus and zinc finger) protein-protein interaction domain. The encoded protein negatively regulates the AP-2 family of transcription factors and the Wnt signaling pathway. A mechanism for the modulation of Wnt signaling has been proposed in which the encoded protein enhances ubiquitination and degradation of the beta-catenin protein. Mutations in this gene have been identified in Scalp-ear-nipple (SEN) syndrome. [provided by RefSeq, May 2017]

Transcript Variant: This variant (4) differs in the 5' UTR, lacks a portion of the 5' coding region, and uses a downstream in-frame start codon, compared to variant 3. Variants 1, 2, 4 and 6 all encode the same isoform (a), which has a shorter N-terminus compared to isoform b.