

Product datasheet for **SC330647**

KCTD1 (NM_001258222) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: KCTD1 (NM_001258222) Human Untagged Clone
Tag: Tag Free
Symbol: KCTD1
Synonyms: C18orf5
Vector: pCMV6-Entry (PS100001)
Fully Sequenced ORF: >SC330647 representing NM_001258222.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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ATGTTTCAGGACAGTCGGCCAATATGTCAAGACCTCTGATCACTAGATCCCCTGCATCTCCACTGAAC
AACCAAGGCATCCCTACTCCAGCACAACCTCACAAAATCCAATGCGCCTGTCCACATTGATGTGGCGGC
CACATGTACACCAGCAGCCTGGCCACCCTACCAAATACCCTGAATCCAGAATCGGAAGACTTTTTGAT
GGTACAGAGCCCATTGTTTTGGACAGTCTCAAACAGCACTATTTTCATTGACAGAGATGGACAGATGTTT
AGATATATCTTGAATTTTCTACGAACATCCAAACTCCTCATTCTGATGATTTCAAGGACTACACTTTG
TTATATGAAGAGGCAAAATATTTTCAGTTCAGCCCATGTTGTTGGAGATGGAAAGATGGAAGCAGGAC
AGAGAAACTGGTCGATTTTCAAGGCCCTGTGAGTGCCTCGTGCCTGTGGCCCGACCTCGGAGAA
AGGATCACGCTAAGCGGTGACAAATCCTTGATAGAAGAAGTATTTCCAGAGATCGGCGACGTGATGTGT
AACTCTGTCAATGCAGGCTGGAATCACGACTCGACGCACGTCATCAGTTTCCACTAAATGGCTACTGT
CACCTCAACTCAGTCCAGGTCCTCGAGAGGTTGCAGCAAAGAGGATTTGAAATCGTGGGCTCCTGTGGG
GGAGGAGTAGACTCGTCCCAGTTCAGCGAATACGTCTTCGGCGGGAAGTGAAGCGGACGCCCGTGTA
CCCTCCGTCATCCGATAAAGCAAGAGCCTCTGGACTAA
```

Restriction Sites: Sgfl-Mlul
ACCN: NM_001258222
Insert Size: 798 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_001258222.1](#)

RefSeq Size: 1671 bp

RefSeq ORF: 798 bp

Locus ID: 284252

Cytogenetics: 18q11.2

Protein Families: Ion Channels: Other

MW: 30.4 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 (5) differs in the 5' UTR and 5' coding region, and uses an alternate start codon, compared to variant 3. The encoded isoform (c) has a distinct N-terminus and is shorter than isoform b.