

Product datasheet for **SC105831**

KCTD1 (AL831954) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	KCTD1 (AL831954) Human Untagged Clone
Tag:	Tag Free
Symbol:	KCTD1
Synonyms:	C18orf5; SENS
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for AL831954, the custom clone sequence may differ by one or more nucleotides

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AGGTGAAAGACAGTGAATAAAAGAATTCATTTGACAAAGCCTAGGACTATTTTGAATGGTCTCGTCTGA  
GATATTTATCAAGCGGGACCAACACTTTGCGACAATCGTAATTTTCCCTACTGCCATCTTCAAAGT  
GCTACCTTTGACAGTGATAAAAGACACCTCTTAGTCTAGTGCCCGAACAAATTGATCTAATTGTCTTAC  
TGTTCCCTCTTTCTATCACAGAATCGGAAGACTTTTTGATGGTACAGAGCCATTGTTTTGGACAGTCT  
CAAGCAGCACTATTTTATTGACAGAGATGGACAGATGTTTCAAGATATATCTTGAATTTTCTACGAACATCC  
AAACTCCTCATTCTGATGATTTCAAGGACTACACTTTGTTATATGAAGAGGCAAAATATTTTCAGCTTC  
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GTGCTCGTCTGCGTGTGGCCCGACCTCGGAGAAAGGATCACGCTAAGCGGTGACAAATCCTTGATA  
GAAGAAGTATTTCCAGAGATCGGCGACGTGATGTGTAACCTCTGTCAATGCAGGCTGGAATCACGACTCGA  
CGCACGTCATCAGGTTTCCACTAAATGGTACTGTACCTCAACTCAGTCCAGGTATAGCATTGTTACGC  
ACTGTGTGGCATCAAATGCCACTTCTACTGTTGCACTTAACCTTGCCCTCACATGGTGCCTTCTCTCCA  
AAGAGCTGAGAACTCACTCAGTGACACTTCTGTTGGGTAGGTGAATTATCACCTCTATAGCAGTCATT  
CCGTAAGTCTTGTGATTGTGCCAGGTGCTGGGATGAGCACTGGAGATACAGAAGAGACAGATATAGAACA  
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GGTTGTGAGACATAAGCCCGGATGACTAAGATTTTTGACAGAGGAACTGGGTGAGTGGAACTGCCATT
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TCCTGAGATGGAGAAGTGTAGGGGAGCAAGAGATGTGGGGTGGGAATTGAGAACTCAGAGGCTAATGTGT
GCTGAGACCCGACTCTCTGCCCTACCCTGGGCCATGGCCTGAGCATGTGTTGTCTTCTTACAACCCTAAC
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CAGGCCAAAACATATATATTAACCTCGGTATTAGGAAAACCTGAACAAAGGCGGAGTTGAGAGTACAATG
AATCACTGACTAAGTAACTCTGCCATCACTGTCTTTCCAGATTCTTTATCATCTCATAGGATGTATTT
TAGTGATAAATGAGCTTTGAAATGTGAACCCTCATTTTTGACAGAGAGGGCAGCATTGCATATACAAAA
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GGAGCAGCTCACAGGACATGGGTGCTGGATGAGATGAACAGAGTGGCATAATCTCAAACCTTTGGGGT
GTTTATGTAGCCATAGGACTTACCTCACCCCTAAGTGGATGCTTGTCTTGTCCCTCGCAGGTCCTCGAG
AGGTTGCAGCAAAGAGGATTTGAAATCGTGGGCTCCTGTGGGGGAGGAGTACTCGTCCAGTTACGCG
AATACGCTCTTCCGCGGAACTGAGGCGGACGCCCGTGTACCCTCCGTCATCCGGATAAAGCAAGAGCC
TCTGGACTAAATGGACATATTTCTTATGCAAAAAAAAAAAAAAAAAA

5' Read Nucleotide Sequence:	>OriGene 5' read for AL831954 unedited GGTCACATTTAGTATACGACTCATATAGGCGGCCGCGAAATTCGCACGAGGGTCAAGACC TCTGATCACTAGATCCCCGTCATCTCCACTGAACAACCAAGGCATCCCTACTCCAGCACA ACTCACA AAAATCCAATGCGCCTGTCCACATTGATGTGGGCGGCCACATGTACACCAGCAG CCTGGCCACCCTACCAAATACCCTGAATCCAGAATCGGAAGACTTTTTGATGGTACAGA GCCCATTTGTTTTGGACAGTCTCAAACAGCACTATTTTCATTGACAGAGATGGACAGATGTT CAGATATATCTTGAATTTTTCTACGAACATCCAACTCCTCATTCTGATGATTTCAAGGA CTACACTTTGTTATATGAAGAGGCAAAAATTTTTAGCTTCAGCCCATGTTGTTGGAGAT GGAAAGATGGAAGCAGGACAGAGAACTGGTCGATTTTCAAGGCCTGTGAGTGCCTCGT CGTGCGTGTGGCCCCAGACCTCGGAGAAAGGATCACGCTAAGCGGTGACAAATCCTTGAT AGAAGAAGTATTTCCAGAGATCGGCGACGTGATGTGTAACCTGTCAATGCAGGCTGGAA TCACGACTCGACGCACGTATCAGGTTTCCACTAAATGGCTACTGTCACCTCAACTCAGT CCAGGTCCTCGAGAGTTGCAGCAAAGAGGATTTGAAATCGTGGGCTCCTGTGGGGGAGG AGTAGACTCGTCCAGTTTCCAGCAATACGTCCTTCGGCGGGAACCTGAGCNGACGCCCCG TGTACCCTCCGTATCCGGATAAGCAAGAGCCTCTGGACTAATGGACATATTNCTATGC AAAAAGAAAACACACACCAATAACTCAAACAAAAGGGACATTTATGTGCAGTTGGGA CAGCAAACAAGTCTGGACGTAAAATCGAATAAAAGAACATTNATATCC
Restriction Sites:	NotI-NotI
ACCN:	AL831954
Insert Size:	1700 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:	<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:	<u>AL831954.1</u>
RefSeq Size:	4596 bp
RefSeq ORF:	4596 bp
Locus ID:	284252
Cytogenetics:	18q11.2
Protein Families:	Ion Channels: Other

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]