

Product datasheet for **RC227186**

KCTD1 (NM_001142730) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	KCTD1 (NM_001142730) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	KCTD1
Synonyms:	C18orf5
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RC227186 representing NM_001142730
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGCGAGAATGCCTGGCAGCGGGGACTGTAACACCAGCGCGGGCGCAGCGCCAGCGCTGCCGCCGCCG
 CCGCCGAGAACAATGGGGAGCGGGGCGAGGGCGAGCGCGCGGGGGCCGCGGCCGCCACAGCCG
 TCCGCACTACTGCAGCGCGGGCGAGGAGGAGGAAGAGGAGGAGGACGAGATCCAGGAGGTGCAG
 ATAACGGGGGACGAGGAGGAGGAGGACGGAGGTGGGGGCTGGAGGAGGACGAGGAGGAGGAAG
 AGGAGGAGATGGGGCTGGACTGGGACGAGCCCCTGGAGCCGAGGACTCGGCCGGGGAGGAGCTGGAGCC
 CGAGCCGTTCCATATGATCAATATGGACCAGAGCGCCGCTGGAGCCGAGGCGCCGCCGACTGCTG
 GCGCCCCGGGCCGCGTGGGCCGCCGGGACGGCTCCGAGCTGGACCCGACGTGCTGCAGCGCCCCG
 AGCGGGCCCGGCTGAGCGAGAACACCCGCTGGCCACCCGCTACGCCGTGCGCATCTCCGGGAGTACCT
 GAGCGAGAAGGCGCAGAGCCCGACTTCGAGACCATGGACAAGGGGGCGTGTGCCGCGTGTGCGTCC
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 CAGCGCCAACCTGACGCTGGCCGCGTCAATCCGCAAGCTCGAGGAGCAGGGCGCCGGGCCGTTGGTGCAG
 AAGCAAGCCATCACGCGCGCCGACTGCGCAAGCTGTACACCTCCAGCGTCTTACGACCAACACGCCCT
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 ACGCAACCTCTCTGCAAGGCTTCTCCAGCGGCCCGGGACCACTGCAGCGAGGGCGATGTGACCTGG
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 CGAGTCTGTGTTGGGTGGGGAAATCTCGGCCCCACTTCCCCAAAAGACTTTGTATCCGCCCTCG
 GAGCCTGTGGATCGGGTGGTGGTTTTCCGTGAAACACGACCCCTGCCTCTTCTCCAGAAGCCAATG
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 CAATATGTCAAGACCTCTGATCACTAGATCCCCTGCATCTCCACTGAACAACCAAGGCATCCCTACTCCA
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 TTGATAGAAGAAGTATTTCCAGAGATCGGCGACGTGATGTGTAACCTCTGTCAATGCAGGCTGGAATCACG
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ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC227186 representing NM_001142730
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MARMPGSGDCNTSAGGSASAAAAAENNGERGEGERGAGGRRRHSRPHYCSAGEEEEEEEEEDEIQEVQ
 ITGDEEEEDGGGLEEEDEEEEEEMGLDWDEPLEPESAGEELEPEPVHMINMDQSAALEPEAPRLL
 APRARGPPGDGSELDPDVLQRPERARLSENTRLATRYAVRIFREYLSEKAQSPDFETMDKGALCRVLR
 FYAEARSKSGQLYSKSSLSIRSSLNRYLNEPPYCRTLDLTKDPELRSANLTLAAVIRKLEEQQAGPVVQ
 KQAITRADLRKLYTSSVFSTNTPFGLLNKVFETCMYFCTRGRNQRELEEDSFGLAMDEDGRKFVYFKS
 LGPYHKSRSSSWSKRAESSDEENLPRMYETGTEFCPYASFVKYLSKRNP LCKAFFQRPRDHCSEGDVTW
 YENKAIGKNLLGTRMQMLSKAAKLSKTYTNHCIGAVSIATLNSIAGIGTKLGSPAPQGCYAEALNGAARH
 HSHHPPTHSHHHRPQPPSLGNTYILPKDSQVGPDKSEAAPKRALYESVFGSGEICGPTSPKRLCIRPS
 EPVDAVVVSVKHDPLLLPEANGHRSTNSPTIVSPAIVSPTQDSRPNMSRPLITRSPASPLNNGIPTP
 AQLTKSNAPVHIDVGGHMYTSSLATLTKYPESRIGRLFDGTEPIVLDLQHYFIDRDGQMFRYILNFLR
 TSKLLIPDDFKDYTLLEYEAKYQLQPMLLEMERWKQDRETGRFSRPCECLVVRVAPDLGERITLSGDKS
 LIEEVFPEIGDVMCNSV NAGWNHDSHVIRFPLNGYCHLNSVQVLERLQQRGFEIVGSCGGGVDSQFSE
 YVLRRELRRTPRVPSVIRIKQEPLD

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

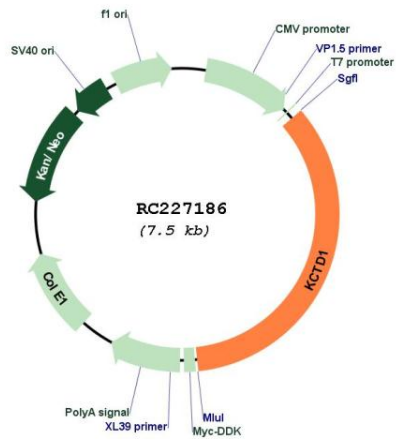
Sgfl-MluI

Cloning Scheme:



ACCN:	NM_001142730
ORF Size:	2595 bp
OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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_001142730.3
RefSeq Size:	3438 bp
RefSeq ORF:	2598 bp
Locus ID:	284252
UniProt ID:	Q719H9
Cytogenetics:	18q11.2
Protein Families:	Ion Channels: Other
MW:	96.4 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]

Product images:



Circular map for RC227186