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Product datasheet for SC334562

KCTD17 (NM_001282686) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	KCTD17 (NM_001282686) Human Untagged Clone
Tag:	Tag Free
Symbol:	KCTD17
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_001282686, the custom clone sequence may differ by one or more nucleotides

ATGCAGACGCCGCGGCCGGCGATGAGGATGGAGGCCGGGGAGGCAGCGCCGCCGGCGGGGGCGGGCGGCC
GCGCCGCAGGCGGCTGGGGCAAGTGGGTGCGGCTCAACGTGGGGGGCACGGTGTTCCTGACCACCCGGCA
GACGCTGTGCCGCGAGCAGAAGTCCTTCCTCAGCCGCCTGTGCCAGGGGGAAGAGCTGCAGTCGGACCGG
GATGAGACCGGGGCCTACCTCATTGACCGTGACCCCACCTACTTCGGGCCCATCCTGAACTTCCTCCGGC
ATGGCAAGCTGGTGCTGGACAAGGACATGGCTGAGGAGGGGGTCCTGGAGGAAGCCGAGTTCTACAACAT
CGGCCCGCTGATCCGCATCATCAAAGACCGGATGGAAGAGAAGGACTACACGGTCACCCAGGTCCCACCC
AAGCACGTGTACCGCGTGCTGCAGTGCCAGGAGGAGGAGCTCACGCAAATGGTCTCCACCATGTCTGATG
GCTGGCGCTTCGAGCAGCTGGTGAACATCGGCTCCTCCTACAACTACGGCAGCGAGGACCAGGCAGAGTT
CCTGTGTGTGGTGTCCAAGGAGCTCCACAGCACCCCAAACGGGCTGAGCTCAGAGTCCAGCCGCAAAACC
AAGCTGTTACAAGCCAGAGGCACCCGGATGTGA

Restriction Sites:	SgfI-MluI
ACCN:	NM_001282686
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_001282686.1, NP_001269615.1
RefSeq Size:	1516 bp
RefSeq ORF:	663 bp
Locus ID:	79734
UniProt ID:	Q8N5Z5
Cytogenetics:	22q12.3
Protein Families:	Ion Channels: Other
Gene Summary:	This gene encodes a protein that belongs to a conserved family of potassium channel tetramerization domain (KCTD)-containing proteins. The encoded protein functions in ciliogenesis by acting as a substrate adaptor for the cullin3-based ubiquitin-conjugating enzyme E3 ligase, and targets trichoplein, a keratin-binding protein, for degradation via polyubiquitinylation. A mutation in this gene is associated with autosomal dominant myoclonic dystonia 26. [provided by RefSeq, Nov 2016] Transcript Variant: This variant (4) lacks three alternate exons in the 3' coding region, which results in a frameshift and an early stop codon, compared to variant 1. It encodes isoform 4, which has a shorter and distinct C-terminus, compared to isoform 1.