

Product datasheet for **SC111266**

KCTD3 (NM_016121) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	KCTD3 (NM_016121) Human Untagged Clone
Tag:	Tag Free
Symbol:	KCTD3
Synonyms:	NY-REN-45
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

Fully Sequenced ORF: >NCBI ORF sequence for NM_016121, the custom clone sequence may differ by one or more nucleotides

```

ATGGCGGGAGGGCACTGCGGCAGCTTCCCCGCGGCGGCGCCGGCAGCGGCGAGATCGTCCAACCTGAACG
TAGGGGGGACCAGATTTAGTACCTCAAGACAACTCTTATGTGGATCCAGATTCCTTTTTTCCAGTTT
GCTGAGTGGGAGAATTTCAACACTTCGAGATGAAACTGGTGCTATATTTATTGATAGAGATCCAGCAGCA
TTTGACCCCATTTTAAATTTTCTCGGACAAAAGAACTAGACTTAAGGGGAGTGAGTATTAATGTTCTCA
GGCATGAAGCAGAATTTACGGGATCACTCCATTAGTAAGAAGGCTTCTCTTATGTGAAGAATTGGAGCG
TTCCTCTGTGGCAGTGTCTTTTTCATGGTTACTTGCCCCACCAGGTATTCCTAGTCGTAATAAATAAC
AACACAGTCAGATCTGCTGATTCTAGGAATGGTCTAAATCTACAGAAGGTGAAGCCCGGGGAAATGGTA
CACAGCCTGTTCTCTCTGGAACGGGAGAAGAACTGTTAGGCTAGGATTCCTGTGGATCCAGAAAGGT
GCTAATAGTAGCTGGCCATCACAACCTGGATTGTAGCTGCATATGCCATTTTGTGTGTGTACAGAATC
AAAGAATCTTCAGGATGGCAGCAAGTGTTACGAGCCCATATTTGGATTGGACTATCGAACGAGTAGCTT
TAAATGCAAAGGTGGTTGGAGGGCCACATGGAGACAAAGACAAAATGGTTGCTGTTGCCCTCAGAGAGTAG
CATCATCTTGTGGAGTGTTCAGGATGGGGGAAGTGGAAGTGAAATTGGAGTGTTACGCCTGGGTGTTCTCT
GTAGATGCTCTCTCTTTATTGGTAACCAAGTGGTGGCCACGAGTCATACAGGGAAGTGGGAGTGTGGA
ATGCTGTCACTCAGCACTGGCAGGTTCAAGATGTTGTTCTATACTAGTTATGACACTGCTGGATCATT
CCTTCTGCTTGGATGTAACAATGGATCAATATATTACATAGATATGCAGAAGTTCCTTCCGATGAAA
GATAATGATCTTCTTGAACCTGAAGTGTATCATGATCCTTCAAATGATGCTATTACTGCTCTGAGTGTTT
ACCTCACACCCAAAACAAGTGTCAGTGGTAAGTGGATCGAGATCGCCTATGGTACGAGCTCTGGAGCAGT
ACGAGTGATTGTACAACCCAGAGACAGTTGGGTGAGTCTCAGCTTTTTCAGACTTTACAGTTTAC
CGAAGTCCCGTAACAAAAATCATGCTATCAGAGAAGCATCTTGTATCAGTCTGTGCAGATAATAATCATG
TCCGGACGTGGACAGTAACACGATTACAGAGGAATGATCTCTACTCAGCCAGGTTCTACTCCTTTAGCGTC
ATTCAAGATACTATCCCTGGAGGAGACAGAAAGTCATGGTAGCTATTCCTCTGGAATGACATAGGACCT
TTTGGAGAGCGAGACGATCAACAGGTGTTTATCCAGAAAGTTGTTCCCATCACCAACAACTATTTGTAA
GACTCTCATCGACTGGAAAAAGAATATGTGAGATCCAGGCTGTTGACTGTACTACAATATCCTCATTTAC
AGTGAGGGAATGTGAGGGATCCAGTAGGATGGGCTCAAGACCAAGGCGCTACTTGTTACAGGCCATACA
AATGGCAGTATTCAAATGTGGGATCTGACCACTGCTATGGATATGGTTAACAAAAGTGAAGATAAGGATG
TAGGTGGTCCAACCGAAGAAGAGCTACTCAAATTAAGTCAATGTGATTTGAGCACATCTCGCTGTGC
TACTCCTAACATCAGTCCAGCAACTTCCGTAGTTCAGCATAGCCACTTACGAGAATCAAATCTAGCCTT
CAGCTTCAGCACCATGATACCACCCATGAAGCAGCTACTTACGGTTCCATGAGGCCTTACAGAGAAAGTC
CTTTATTAGCAAGGGCAAGAAGGACTGAGAGCTTTCACAGTTATAGGGACTTCCAGACTATTAATTTGAA
CAGAAATGTAGAAAGAGCTGTCCCTGAAATGGTAAGTGGGTCCAATACAAGCTGAAGTGAAAGGGGCA
ACAGGGGAATGTAATATATCTGAGAGAAAGTCTCCTGGAGTAGAAATAAAAGTTTGAGAGAATTGGATA
GTGGATTGGAAGTGATAAAATAGCTGAAGTTTTTTCAGAAATCCAAGAAAAGTTCATCAGAAGATGAAAA
TGAAAAATAAATAGAGTTTAGGAAGAAAGGAGGATTTGAAGGGGGAGGATTCTTGAAGAAAGAAAGTT
CCCTATCTGGCGTCATCACCAAGTACTTCCGATGGAGGAACTGACTCACCTGGTACTGCGTCCCCATCTC
CTACAAAGACTACTCCATCTCTCGGCATAAAAAAGTGATTCTTCAGGTCAGGAGTACAGCTTGTGA

```

5' Read Nucleotide Sequence:	>OriGene 5' read for NM_016121 unedited <pre> GTCAGAATTTTGTAAACGACTCACTTATAGGGCGGCCGCAATTCGCACGAGGCGGCGT CGGTGGCAGCGGAGCACGAGAAGAGGCCCGGGCGGCCCGGGCGGCTGGAGGCCGCGAAA GGTGGAGGCCGGGCCGCCCTTGTGCACCGCAGGATTGACCCGGAAGGGGAGAGCTAG CGAGCCCCCGCCGGCCCGGGAAGGTGGGGAAGCCCGTGCACCCCGCCCTCCGGC CGCCGCGCCCGCTGGCCCTGCAGCCGTGCGCGCTGCCTCGGGCTACAGCCCGGGCTC GGCGGTCCCGGTGGGGAAGGAGGGCGGCGAGCGGTCCGGAGCCGCCGAGATGGCGGG AGGGCACTGCGGCAGCGTCCCCGCGGCGGCGGCCGAGCGGCGAGATCGTCCAAGTAA CGTAGGGGGGACAGATTTAGTACCTCAAGACAACTCTTATGTGGATTCCAGATTCTTT TTTTTCCAGTTTGTGAGTGGGAGAATTTCAACACTTCGAGATGAACTGGTGCTATATT TATTGATAGAGATCCAGCAGCATTTGCACCCATTTTAAATTTTCTTCGGACAAAAGAACT AGACTTAAGGGGAGTGAGTATTAATGTTCTCAGGCATGAAGCAGAATTTTACGGGATCAC TCCATTAGTAAGAAGGCTTCTCTTATGTGAAGAATTGGAGCGTTCCTCTTGTTGGCAGNGT CCTTTTTCATGGTACTTGNCCCCACCAGGTATTCCTAGTCGTAATAAACAACACAGT CAGATCTGCTGATTCTAGGAATGGTCTAAATTCTACAGAAGGGGAACCCGGGGAAATGG TACACAGACTGTTCTCTTGTAAACGGAAGAGAACTGTTTAGCTAGGATTTCTGTGGAT CCACAAAGGGGCTAATAGATTGGCTCACACCTGAATGGAATA </pre>
Restriction Sites:	NotI-NotI
ACCN:	NM_016121
Insert Size:	4000 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:	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>NM_016121.3</u> , <u>NP_057205.2</u>
RefSeq Size:	3946 bp
RefSeq ORF:	2448 bp
Locus ID:	51133
UniProt ID:	<u>Q9Y597</u>
Cytogenetics:	1q41
Domains:	BTB, WD40, K_tetra

Gene Summary:

This gene encodes a member of the potassium channel tetramerization-domain containing (KCTD) protein family. Members of this protein family regulate the biophysical characteristics of ion channels. In mouse, this protein interacts with hyperpolarization-activated cyclic nucleotide-gated channel complex 3 and enhances its cell surface expression and current density. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Feb 2016]

Transcript Variant: This variant (1) encodes the longest isoform (1).