

## Product datasheet for **SC120461**

### **KCTD12 (NM\_138444) Human Untagged Clone**

#### Product data:

Product Type:	Expression Plasmids
Product Name:	KCTD12 (NM_138444) Human Untagged Clone
Tag:	Tag Free
Symbol:	KCTD12
Synonyms:	C13orf2; PFET1; PFETIN
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_138444, the custom clone sequence may differ by one or more nucleotides

```
ATGGCTCTGGCGGACAGCACACGTGGATTACCCAACGGGGCGGCGGGGGCGGCAGTGGCTCCTCGT
CGTCTCCGCGGAGCCACCGCTCTCCCGACATCGTGGAGCTGAACGTGGGGGGCCAGGTGTACGTGAC
CCGGCGCTGCACGGTGGTGTGCGGTGCCGACTCGTGTCTGGCGCATGTTACGCAGCAGCAGCCGCAG
GAGCTGGCCCGGACAGCAAAGGCCGCTTCTTTCTGGACCGGGACGGCTTCCTCTCCGCTACATCCTGG
ATTACCTGCGGGACTTGCAGCTCGTGTGCCCCACTACTTCCCGAGCGCAGCCGGCTGCAGCGCAGGC
CGAGTACTTCGAGCTGCCAGAGCTCGTGCGCCGCTCGGGGCGCCCAGCAGCCCGCCGGGGCCGCCG
CCCTCGCGGCGCGGGGTGCACAAGGAGGGCTCGTGGGTGACGAGCTGCTGCCGCTTGGCTACTCGGAGC
CCGAACAGCAGGAGGGCGCCTCTGCCGGGGCGCGTCCGCCACGCTGGAGCTGGCTAGCCGAGTCCGTC
CGGGGGCGCGGGGCCCGCTGCTCAGCCGTCACGCTGCTGGACGGCAGCCGGCGCTCGGGCTACATC
ACCATCGGCTACCGCGGCTCCTACACCATCGGGCGGGACGCGCAGGCGGACGCCAAGTTCGGCGAGTGG
CGCGCATCACCGTTTGGCGAAAGACGTGCTGGCCAAGGAGGTGTTTGGGGACACCCTGAACGAAAGCCG
GGACCCGACCGTCCCCCGGAGCGCTACACCTCGCGCTATTACCTCAAGTTCAACTTCTGGAGCAGGCC
TTCGACAAGCTGTCCGAGTCGGGCTTCCACATGGTGGCGTGCAGTCCACGGGCACCTGCGCCTTGCCA
GCAGCACCGACCAGAGCGAGGACAAGATCTGGACCAGCTACACCGAGTACGCTTCTGCAGGGAGTGA
```



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**5' Read Nucleotide Sequence:**

>OriGene 5' read for NM\_138444 unedited  
 GATTTTGTAAACGACTCACTTATAGGGCGGCCGGAATTCGCACGAGGCTCCGGGGCTC  
 CGGGGAAGGCGGTTGCAGCTCCTGAGTGCAGCGCGGTTCTGCCACTGTCCCGGCCGG  
 CCACCTCTCTGTCATGGCTCTGGCGGACAGCACAGTGGATTACCAACGGGGCGGCGG  
 CGGGGGCGGCAGTGGCTCCTCGTCGTCTCCGCGGAGCCACCGCTTCCCGACATCGT  
 GGAGCTGAACGTGGGGGCCAGGTGTACGTGACCCGGCGCTGCACGGTGGTGTGCGGTGCC  
 CGACTCGCTGCTCTGGCGCATGTTACGCAGCAGCAGCCGAGGAGCTGGCCCGGGACAG  
 CAAAGGCCGCTTCTTTCTGGACCGGGACGGCTTCTCTCCGCTACATCCTGGATTACCT  
 GCGGGACTTGAGCTCGTCTGCCCCGACTACTTCCCGAGCGCAGCCGGCTGCAGCGCGA  
 GGCCGAGTACTTCGAGCTGCCAGAGCTCGTGCGCCGCTCGGGGCGCCCCAGCAGCCCGG  
 CCCGGGGCGCCGCCCTCGCGGCGGGGTGCACAAGGAGGGCTCGCTGGGTGACGAGCT  
 GCTGCCGTTGGTACTCGGAGCCCAACAGCAGGAGGCGCTCTGCCGGGGCGCCGTGCG  
 CCCACGCTGGAGCTGGCTAGCCGAGTCCGTCCGGGGCGGGCGGCCCGCTGCTCAC  
 GCCGTCCCAGTCGCTGGACGGCAGCCGGCGCTCGGGCTACATACCATCGGCTACCGCGG  
 CTCTACACATCGGGCGGACGCGCAGGCGGACGCCAGTTCGGCGAGTGGCGCGCATCA  
 CA

**3' Read Nucleotide Sequence:**

>OriGene 3' read for NM\_138444 unedited  
 NNGGGTAAGACTATGNNACCGCGCCGCATNCTANGATCGAGTTTTTTTTTTTTTTTTTT  
 TAAAGGATGAATGTTTTATTCTTTAGTGTAAATTGAATACATAACAAGTCACATAATC  
 AATGATTCATTACTTCACACACAGGAAGGAAAACAGTAGTAGTATTTCTGTTATACAAC  
 TGGTTGTGAACAGGAAGAACAATAATCTTTATAGCATTAGATGGTTGAAGGAATTCTCAA  
 AGTTTGGGCATGTCTGAAAAGACTTTGACTGCATCTTTTTTCAATATAAAGGGATTTTTT  
 TCTTACATTTCTGTGCATTAGAAAAATCTGATAATCTTATAAGATTTTTTCTGCTTTC  
 TTACATTTAGAGAAAATGGTTAATGATATGACTATTTAAAAATCAGAATCCCAGATA  
 ACTCTGTGTGAATCTTACATTGTCTAGCAGATAAGGTTTTCAGATGCCTGAAAAATTTA  
 AACAACATATAATTTACATCTTCAAAATTAACATCCAGATGGATGTTTTAATCCTTTGTC  
 ACTAAATGGTTACTAACGCTGTTTGAGTGGTCATAAATGAATTGTCATTTGATTCAATA  
 GTAATAGCAAAATTTACCTGCCTATAAAGTCGCAAAAACAGTTGTATAATAGTTTACATT  
 ACAATTAATGTACCCATACCTCAAAACACATTTAGAATTTAAAAAACTGGCTTNGAAA  
 NAATCACAAAAATTAAGTGACAACAAATCTTGATTAAGTCCATCTTCTACCACAC  
 TGATTACTCTAATGTAGATATTCTGGTTGAAATTTCTCAACCAAGTTTGAAGGCCCA  
 GTAGAAATCAGTGAATACTTTTCTGATTTTATTGCCAACTGTTGACAAAAGAA

**Restriction Sites:**

NotI-NotI

**ACCN:**

NM\_138444

**Insert Size:**

6000 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).

<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_138444.2</a> , <a href="#">NP_612453.1</a>
<b>RefSeq Size:</b>	6216 bp
<b>RefSeq ORF:</b>	978 bp
<b>Locus ID:</b>	115207
<b>UniProt ID:</b>	<a href="#">Q96CX2</a>
<b>Cytogenetics:</b>	13q22.3
<b>Domains:</b>	BTB, K_tetra
<b>Protein Families:</b>	Ion Channels: Other
<b>Gene Summary:</b>	Auxiliary subunit of GABA-B receptors that determine the pharmacology and kinetics of the receptor response. Increases agonist potency and markedly alter the G-protein signaling of the receptors by accelerating onset and promoting desensitization (By similarity). [UniProtKB/Swiss-Prot Function]