

Product datasheet for SC322521

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:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for SC322521
GGGCTCCGGGGCTCCGGGAAGGCGGTTGCAGCTCCTGAGTGCAGCGCGGCTTCCTGCCA
CTGTCCC GGCCCGCCACCTCTGTCTGCTGGCTCTGGCGACAGCACACGTGGATTACCC
AACGGGGGCGGGCGGGGGCGGCGAGTGGCTCCTCGTCTGCTCCGCGGAGCCACCCTC
TTCCCGACATCGTGGAGCTGAACGTGGGGGGCCAGGTGTACGTGACCCGCGCTGCACG
GTGGTGTGCGTGGCCGACTCGTCTGCTGGCGCATGTTACAGCAGCAGCAGCCGAGGAG
CTGGCCCCGGGACAGAAAGGCCGCTTTTCTGGACCGGGACGGCTTCCTCTTCCGCTAC
ATCCTGGATTACCTGCGGGACTTGCAGCTCGTGTGCTGCCGACTACTTCCCCGAGCGCAGC
CGGCTGCAGCGGAGGCCGAGTACTTCGAGCTGCCAGAGCTCGTGCGCCCTCGGGGGC
CCCCAGCAGCCCCGGGGCCCGCCCTCGCGGCGGGGTGCACAAGGAGGGCTCG
CTGGGTGACGAGCTGCTGCCGCTTGGCTACTCGGAGCCCGAACAGCAGGAGGGCGCTCT
GCCGGGGCGCCGTCGCCACGCTGGAGCTGGCTAGCCGCACTCCGTCGGGGGCGCGGGC
GGCCCCGTGCTCACGCCGTCAGTCTGCTGGACGGCAGCCGGCGCTCGGGCTACATCACC
ATCGGCTACCGCGGCTCCTACACCATCGGGCGGGACGCGCAGGGGACGCCAAGTTCCGG
CGAGTGGCGCGCATCACCGTTTGCAGAAAGACGTGCTGGCCAAGGAGGTGTTGGGGAC
ACCCTGAACGAAAGCCGGGACCCCGACCGTCCCCCGAGCGCTACACCTCGCGCTATTAC
CTCAAGTTCAACTTCTGGAGCAGGCCTTCGACAAGCTGTCCGAGTGGGCTTCCACATG
GTGGCGTGCAGCTCCACGGGCACCTGCGCCTTTGCCAGCAGCACCAGCAGAGCGAGGAC
AAGATCTGGACCAGCTACACCGAGTACGTCTTCTGCAGGGAGTGAAGTCCCCAGACCC
TGCCACTCCAGCGCCAGTCTTCTCCTGCCGAGAGATGATTACAGAGCCTCTTGTCC
CACCTTTGTCCCCTGGTGTGCTGCCCTCCATTCTCCCCCTCCAGTAGTAGCTGGGTGAGA
CCTGTCCGCCACCTTCCCTCCACTACAGAACCTGCAGCCGAAATCCTCTGGGTGCTT
CGTCTTCTTTGGACCTCCTGAACCGAGAGAACCAGAGGAACCCACCCACCCACCCACCC
TACCACTCATGCTTTCTACTCCCTGCCTCAAACCACCCCTCCCCAGATGGTACTTC
AGTTTGGATCTATTGGGGGAGTGTGGCCACAGACCGGGGATGATTGAATTGTTGAGA
CTGATTGGACCGTGTCCAATGTGCGGAAGATTTCTTGAATCTTCTCAAGCTCTTATGA
CTCACTGGGGTTAAGAGATCAGGATTGGTCCACTGTCTGGGGTTAGTGTTTTACAAG



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GTCATTACACAGTCTTTTTGACCTCTTTTGAAGGTAGAGTTTTAGAAGGCTGGATGGAAG
 ATTCTGAGCCTGGAATTAGGACCCCATGGAGGCAGTTCAGTAACTAACTAATAAAGTTT
 TGAAAAGTTACACGTAAAGTAGAAGAACTAGTGCGTGGGACAGTAAAGGATCCTTTCTC
 GTACAGAAATAAAGGTCTCAGCCTGTAGCTTAACTTATAGAAAGTGATCCGCCTGCCTG
 CAGAGGCGCCCTTTTCAGCTGCTGCTCGCCAGAAGCCCTTGATTCCACTGGTTGACATGG
 CAGCAGTTACTGGCAAGAGGGAGAAAGGACGCTGCCGCTAAGAGTGAAGGCTGCTCAG
 GTCTCCAAGCGCCGTAGGAGGTACCTGGCAGTGACTGTAGGGAGCTGGGTCATAGTGCA
 CGTCGTGGGTATTAGGAAAGCCTGTATTCTTTCAATGAATGTAGTAGGACCTTCCTTTA
 GCTGTAAGACTTGGTGGGCGGGTGGGGTGGGGAGGGAGGAAAGGTTAGGAAGGTTGGGA
 AGGGAGAAGCAGACATAGTCATTTATGATTTGAAAGTTGGAAGTTTGTACCATCTGTTTG
 AGTATATGCACATTTAAAAAATATCATATAGTAAATGCAAACATGCCAAGTATTTTATAA
 AGATTAATAACAGACCTACTCTTACCTGGCAGTTTACTTAACTTACTGTTTTGAGTCCTA
 AACTTAGAGTTGTTAATGCTTATATATAATCTAACCAAAGAGTTACCCAGTAGGGTTTTT
 AGTTTTTGAACCTTTATTTTCTGTTGATTATAAATCCTGATTTTGAATCTATTGCGCA
 AAAGAAGTTTCATTTTGGTTACTTAGACCTAAGATCACTTATTAATAAATCCTTATTTTCT
 CCAAGCCAGCAAACGTTGACTTCTGGGCAAACCTGAAAACCTGAAAATGCCACTTTCAT
 GCAGTTTGTGTTGAAGTTAAGTGGAAATCCTTTCAAATGACGAGCTGCAGAGAACTCAGCAC
 CAAGGGCTGCCTATCTGTAGATAGCTGTAAAATGGAATATTTTTAAATGAAGGCAAATAA
 GTACTTAAAAGTGAGCTGAGCAATAAAATGGTCCAATAATAGGTAATGCAACAGAAACA
 GAAGGAGACCTGGTTGCCTTATGCCTTTACTCTTACATGGAATAAATCCCAATGCATAT
 CCTATGTAACCATAAGTGAAGGAAATAAACCTCGTCATGCTCCATGCTGTGAGGTGTC
 CTTTGGATATTCTGTGATGACAGAGAAGCCTATTTTGTGTTTTGTTTTGAGCATCTTTCTCT
 GATGTACGTTTTTAAGGATTTTGAAGAGCTGTTTTTTCAGTGTTTAAATTAGTGCTATTTT
 TCCTTGTTTTTAAAAATGAATCTCGTACTGTATCTTACTATGTCCATACAGATGTTACAA
 ATCGACAGTTTTATTCTTAGACTCATGTGATCCAAGCTGTATATACCATATATAAACATT
 TTACATGAAAAAAAAAAAAAAAAAAAA

- Restriction Sites:** Please inquire
- ACCN:** NM_138444
- 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).
- OTI Annotation:** This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
- 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:** [NM_138444.2](#), [NP_612453.1](#)

RefSeq Size:	6216 bp
RefSeq ORF:	978 bp
Locus ID:	115207
UniProt ID:	<u>Q96CX2</u>
Cytogenetics:	13q22.3
Domains:	BTB, K_tetra
Protein Families:	Ion Channels: Other
Gene Summary:	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]