

## Product datasheet for **MC216567**

### **Kctd8 (NM\_175519) Mouse Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Kctd8 (NM_175519) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Kctd8
Synonyms:	A730087N02Rik
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >MC216567 representing NM\_175519  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGCTCTGAAGGACACGGGCAGCGGCGCAGCACCATCCTCCCGATCAGCGAGATGGTGTCCGCGTCCA  
 GCTCTCCCGCGCTCCGCTGGCCGCCGCCCGGGGCCCTGCGCCCGTCCGCTTCCCGAGGTAGTGGA  
 GCTGAATGTTGGCGGCCAGGTTTATGTGACCAAGCATTGACGTTACTCAGCGTCCCGGACGACTCTG  
 GCCAGCATGTTCTCACCTCTAGTCCCCGGGGCGGCGCTAGGCGCCGGGCGACTTGCCAGGGACAGCC  
 GCGCGCGTCTTTCATCGACCGGACGGCTTCTCTTTAGGTACGTGCTGGATTACCTGCGCGACAAGCA  
 GCTGGCACTGCCGAGCACTTTCCCGAGAAGGAGAGGCTCTGCGCGAAGCAGAGTTCTTTCAGCTCACC  
 GACCTGGTCAAGCTGCTGTCGCCAAGGTACCAAGCAGAAGCTCAACGATGAGTGTGCCAGAGCG  
 ACCTGGAGGACAACGTTTCCAGGGCAGCAGCGACGACTGCTGCTGCGTGGGGCGGCGGCTGGCGCGCC  
 CTCGGGCTCTGGGCACATGGTGTGAGTGGTGTAGTCGGTGGTGGCAGCGCTCCGGACAAGCGCTCTGGG  
 TTCTCACCTGGGCTACCGTGGCTTTACACCACGGTGCAGATAAACCAGGCAGATGCCAAGTTCAGGC  
 GTGTGGCGCGCATCATGGTGTGTGGGCGCATAGCCTTGGCCAAGGAGGTCTTTGGGGACTCTTAAATGA  
 GAGTCGCGACCCTGACCGTCAGCCTGAGAAGTACACATCCCGCTTCTACCTCAAGTTCACCTACTTGGAG  
 CAGGCGTTCGATCGACTGTCTGAGGCGGCTTCCACATGGTGGCGTGCAACTCCTCTGGCACTGCCGCT  
 TTGTCAACCAGTACCGAGACGACAAGATCTGGAGCAGTTACACTGAATACATCTTCTCCGACCCTCA  
 GAAAATAGTGTACCCAAAGCAAGAACATGAAGACAGGAAACGCGACAAAGTCACAGACAAAGGAAGTGAG  
 AGTGGACTTCTGCAATGAGCTCTCCACATCCAGCTGTGACAGCCTCAGAGGCCAGCACTCCACAGG  
 ACAACCCAGCCAACACTCAGCAGGCTGCAGCTCACCAGCCTAACACCTAACCTTGGATAGACCTCCAG  
 GAAAGCACCTGTTCAAGTGGATGCCACCACAGACAAGCGCAGAAACAGTGAAGTCTTTCAGTCACTCATC  
 AGCAAGTCCCGAGAAAACAATCTCTCCAAAAAGAGGTCTGTGAGAAGCTAAGTGTAGAAGAAGAAATGA  
 AAAAGTGTATTCAGGATTTTAAAAAATCCATATTCCAGATTGTTTTCCAGAGCGCAAACGCCAGTGCCA  
 ATCTGAATCCTCCAAAAATATGGGTT**GTA**A

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** Sgfl-Mlul

**ACCN:** NM\_175519

**Insert Size:** 1431 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: [NM\\_175519.5](#), [NP\\_780728.3](#)

RefSeq Size: 2889 bp

RefSeq ORF: 1431 bp

Locus ID: 243043

UniProt ID: [Q50H33](#)

Cytogenetics: 5 C3.1

**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.[UniProtKB/Swiss-Prot Function]