

Product datasheet for **MC214778**

Kctd16 (NM_026135) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Kctd16 (NM_026135) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Kctd16
Synonyms:	4930434H12Rik; Gm1267
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC214778 representing NM_026135
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCTCTAAGTGGAACTGTAGCCGTTATTATCCTCGGGACCAGGGGGCTGCTGTTCCCAACTCCTTCC
 CTGAAGTCATAGAGCTGAATGTTGGCGGCCAGGTTTACTTCACTCGCCATTCCACATTAATAAGCATCCC
 CCATTCTCTCCTGTGGAAAATGTTCTCCCAAAGAGAGACTGCTAACGATCTAGCCAAGGACTCCAAG
 GGAAGGTTTTTTCATTGACAGAGATGGCTTTCTGTTCCGTTATATTCTGGACTATCTCAGGGACAGGCAGG
 TGGTCTCGCTGATCACTTTCCAGAAAGAGGAAGGCTGAAAAGAGAAGCTGAGTACTTCCAGCTCCCTGA
 CCTCGTCAAACCTCTGGCCCCGAGGATGTCAAGCAAAGCCGGATGAGTTCTGCCACAGTGACTTCGAA
 GATGCCTCCAAGGAAGCGACACGAGAATCTGCCCCCCCTCTCGCTGCTTCTCACGCCGAAGTGGG
 GTTTTATTACTGTGGGTTACAGGGGATCCTGTACCTTGGCAGAGAGGGGCAAGCAGATGCCAAGTCCG
 GAGAGTCCCCGGATTTTGGTTTGCAGAAAGATTTCTTGGCAAAGAAGTCTTTGGAGAAACTTTGAAT
 GAAAGTAGAGACCCCGACCGAGCTCCAGAAAGATACACCTCCAGATTTTATCTCAAGTTTAAACATCTGG
 AAAGAGCTTTTGATATGTTGTCAGAGTGTGGATTCCACATGGTGGCCTGTAACCTCCTCGGTTACAGCATC
 TTTTGTCAACCAGTATACAGAAGATAAGATCTGGTTCGAGCTATACTGAGTACGTCTTCTATCGTGAGCCT
 TCCCGGTGGTCTCTCTCATTGTGACTGCTGTGCAAGAATGGCAAGGGAGACAAGGAGAGAGCGGCA
 CCTCTGCAATGACCTGTCCACTTCCAGCTGTGACAGCCAGTCAGAGGCCAGCTCTCCGCAGGAGACGGT
 GATCTGTGGGCCGTAAACGCGCCAGAGCAACATCCAGACTCTGGATCGGCCCATCAAGAAAGGTCCGGTG
 CAGCTGATCCAACAGTCAGAGATGAGGCGAAAAGTGACCTGCTCCGGACTCTGACGTCAAGCTCCAGGG
 AGTCGAACATAAGCAGCAAAAAGAAAGCTGCGAAGGAAAAGCTCTCCATCGAGGAAGAGCTGGAGAAATG
 TATCCAGGATTTCTTGAAGATAAAAATCCAGATCGCTTCCCTGAGCGAAAACATCCTTGGCAGTCTGAA
 CTTTTACGGAAGTATCATCTA**AG**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Chromatograms: https://cdn.origene.com/chromatograms/ja2670_b07.zip

Restriction Sites: SgfI-MluI

ACCN: NM_026135

Insert Size: 1284 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

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:	<ol style="list-style-type: none">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_026135.1</u> , <u>NP_080411.1</u>
RefSeq Size:	1365 bp
RefSeq ORF:	1284 bp
Locus ID:	383348
UniProt ID:	<u>Q5DTY9</u>
Cytogenetics:	18 B3
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]