

Product datasheet for **MC205773**

Kctd5 (NM_027008) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Kctd5 (NM_027008) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Kctd5
Synonyms:	2610030N08Rik; mKIAA0176
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >BC021777
 GTTAGGATCATGGCGGAGAATCACTGCGAGCTGCTGCCGCCGGCTCCGAGCGGCCTCGGGGCGGGGCTGG
 GGGGCGGCCTGTGCCGCCGCTGCAGCGCTGGGATGGGCGCCCTGGCTCAGCGCCCCGGTGGCGTGTCCAA
 GTGGGTCCGGCTCAACGTGCGCGGCACCTACTTCTCACCACCCGGCAGACGCTGTGCCGGGACCCGAAG
 TCTTTCCTGTACCGCTTGTGCCAGGCGGACCCGACCTAGATTCGGACAAGGATGAAACGGGTGCCTATT
 TAATCGACAGAGATCCCACCTACTTTGGACCTGTACTGAACTACTTGAGACATGGAAGCTGGTTATTAA
 CAAAGACCTCGCAGAGGAAGGAGTGTGGAAGAAGCAGAATTTTACAATATCACCTCACTAATAAACTT
 GTAAAGGACAAAATTAGAGAACGAGACAGCAGAATATCGCAGATGCCAGTGAAGCATGTGTACCGTGTGC
 TGCAAGTGCAGGAGGAGGAGCTCACACAGATGGTATCCACAATGTCAGACGGCTGGAAGTTTGAGCAGCT
 GGTGAGCATTGGCTCCTCTTACAATATGGAATGAAGACCAGGCTGAGTTCCTCTGTGTGGTTTCCAAG
 GAGCTGCACAACACTCCATACGGCACAACCAGTGAAGCAAGCGAGAAAGCAAGATTTTGAAGAACGGG
 GCTCAAGGATGTGAGGAATGCTGAGAGTTGAAGAAATGATTTTCTTTTCCCAAGATAAAGTGAACCGCC
 ATGTGCAAAAAGCATGGCTGTGAGAAGAACTGCTTTTGTATCTTCTAGAGGTCTGGGTGTGGATC
 CTTTTTGCCTCAGATGTGGGTGGCGAGAGACAGCCAGCTGTCAGGCCAGTCGTCACCCACCGGAGCAG
 CTAGGGCTGGGTGCGCAGTCTCTGGTCTACTATTCTTTCTGAGTGTACGTGGGACTGAGCAGGATGC
 TGCTAACCCAGCCGTGCATTCTGAAGATGATTTGAAGGACAGGGTCTTGGTGTACACACAGTCTGCA
 ACAAGCAGCCTGGACCTTGCAGGAGGGAGGGGACGCCGCGCAACTCCTGTCCAGTGCAGTGTGGCTTT
 GGGGTGGGTGCCTCCTCATCACTGACTGAGCACCAGGCGCACATCCTTGTGAGTCAAGGAGGCTGCTGCTG
 CTCCAGGCATGATTGGTTGATTTCTCTCGACCTCGGCTGAGGCTCCTGACAAAGGTGGCCTCCACGTTAT
 CACTACTTCTGGGCACCCCTGGACATTACTCCTTCAGAGCCAGGCTCTTGTCTGGCCTGTGAGCTT
 GGCCAGGATCATCAAGGCTTCTAATTTGTATTTCCAGGCAAGAGGACTTTGTATCCCTTTTTAAAG
 TGTGGATAGACCACCCGGTGTATACTCTTTAGAAATGCCTAAAAGTGTGCTACATTTTGGATTGATC
 TGTTAAATCATTATGCTCCATAAATAGAGTGTTCCTCATATGCTCGCCTGTGGCTCATGGGGGA
 GCTGGCGCCTACCAGTGCCTTTGTGTGCCTGGGATAGAGGCTGGGGCGGAGGCCTGTCCACCTGGCTT
 CTGGAAGTGCAGCTCCAGGTCATGTTAAGCATTAGGATGTTTACAGTGCAAACATGTCTCCTTCTCACT
 GGCTCTCATTTCCTGTATAACTATGCAGTTCTTCTCTCGTATTTCTGGAGTGTGGGACTTTGCACAA
 TTTGCATGGGCTCTGTTTCTGATACGACATTGGAGTGTCTAAGGTTCTGCAGAGGCTGCGCCTGCTG
 GCTTGAACAGACCTTCTCAGCTGGTATGGGATGTAGCAGGCCACAACTGGCTCAAGCAAGCAAGC
 TCTGTGCTTCTTGACCTTCCAAGGAGCTGTGCAAACTGACCACTATGGCTGCCATGTGCAGGCCAGG
 GCCTCTGACACTGCTTGTTCAAATGCTTCCGAAACTTCTTGCCTAGACCCTCTCCTTCTCCTCTGCC
 AGTAACTGATTAGTCAAGTCTCCAGCATCTAGGACCGACCTCCTCTTCTAAGTCTGTTGTATGTT
 GTTAAGGTGTGGCTTAATCACTCTGGGGCAGTAGCTCTGCTGTTGGCCATGGGGATGCTCTGGGGAGTGG
 CTGGACACTCAGCATTGCTTCATTTATAACTTTGACAATAGATAGGCTTCTGGGGTTTTTGTCTGTT
 TTTTAAATTAATGATATTAATACTTAATTCATAAAATCCTAAGGGGATATTTATACTTTTATACTTTT
 TTAGGTATCCATATTTTATCAGCTTACTGTTTAAATGCCTAAGTTTCCCCTGGAAATAGTAAATAAAATTG
 TGATTTATGAAA

Restriction Sites: RsrII-NotI

ACCN: NM_027008

Insert Size: 705 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: [BC021777](#), [AAH21777](#)

RefSeq Size: 2434 bp

RefSeq ORF: 705 bp

Locus ID: 69259

UniProt ID: [Q8VC57](#)

Cytogenetics: 17 A3.3

Gene Summary: Its interaction with CUL3 suggests that it may act as a substrate adapter in some E3 ligase complex (By similarity). Does not affect the function of Kv channel Kv2.1/KCNB1, Kv1.2/KCNA2, Kv4.2/KCND2 and Kv3.4/KCNC4 (By similarity).[UniProtKB/Swiss-Prot Function]