

Product datasheet for **MC222174**

Kctd1 (NM_001142731) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Kctd1 (NM_001142731) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Kctd1
Synonyms:	4933402K10Rik; AI661543; AW553000
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC222174 representing NM_001142731
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGCGAGAATGCCTGGCAGCGGGGACTGTAACACCAGCGCGGGCGGAGCGCCGCTGCTCGGCCGAGA
 ACAATGGGGATCGGGGTGAGGGTGAAGCGCGGGGCGGGGGCCGCGCCGCGCTACGGCCCGCCGATTA
 CTGCAGCGCGGGCGAGGAGGAGGAGGAAGAGGAGGAGGACGAGATCCAGGAGGTGCAGATAACGGGG
 GACGAGGAGGAGGACGGAGGTGGGGGGTGGAGGAGGACGAGGAGGAGGAAGAGGAGGAGATGGGGA
 TGGACTGGGAAGAGCCCTGGAGCCGGAGGACTCGGCCGGGAGGAGCTGGAGCCGGAGCCGGTCCATAT
 GATCCATATGGACCAGAGCGCCGCTGGAGCCCGAGGCGCCGACGACTGTTGGCGCCCGGGCCCGC
 GCGGGGCCCGGGGACAGCGCGGAGCTGGACCCGACGTGCTGCAGCGCCCGAGCGGGCCCGGCTGA
 GCGAGAACCAGGCTGGCCACCCGCTACGCCGTGCGCATCTTCCGGGAGTACCTGAGCGAAAAGGCTCA
 GAGCCCGACTTCGAGACCATGGACAAGGGGGCGCTGTGCCGCTGCTGCGCTCCTTCTATGCCGAGGCC
 CGTTCTAAGAGCGGCCAGCTCTACAGCAAGTCTCGCTCATCAGTATCCGAGCTCCCTCAACCGCTACC
 TCAACGAGCCCTTACTGTCGACGCTCGACCTACCAAGGACCCCGAGCTGCGCAGCGCCAACCTGAC
 GCTGGCCGAGTCATCCGAAGCTCGAGGAGCAGGGCGCGGGGCCGTTGGTGCAGAAGCAAGCCATCACG
 CGCGCCGACCTGCGCAAGCTCTACACCTCCAGCGTCTTACGACCAACACGCCCTTTGGGCTGCTCAACA
 AGGTCTGGTTCGAGACGTGCATGTACTTCTGCACGCGAGGCCGTGAGAACCAGCGCGAGCTGGAGGAGGA
 CTCCTTCGGGCTGGCCATGGACGAGGACGGTCGCAAGTTCGTTTACTTCAAGTCGTTGGGCCTTACCAT
 AAGTCGCGTTCCTCGTCTGGAGTAAGAAGCGTGGAGAGCAGCGACGAAGAGAAGTTCCTCGCATGT
 ACGAGCGGGCACTGAGTTCGTCCCTACGCCAGCTTTGTCAAGTACCTGTCTAAGCGCAATCCCCTCTG
 TAAGGCGTTTTTCCAGCGGCCCGGGACCATGCAGTGAAGGCGATGTGACATGGTACGAGAACAAGCC
 ATAGGCAAGAAGTTCGTTGGCACCAGGATGCAGATGCTGTCCAAGGCAGCCAAGCTGTCCAAGACCTACA
 CTAACCATTGCATCGCGCGGTGTCCATCGCCACACTCAACAGCATCGCGGGTATCGGGACCAAGCTAGG
 CTCCCCAGCCCCGAGGGCTGCTATACCGACTCTGTAACGGGTGAGCTCGTACCACCTCCACCACGCT
 CCCACCATCCTTCCCACCACCAGCCCGCCCGCCCTCGCTGGGTAACACTTATATCTCCCCAAAG
 ACAGCCAGGTGGGCCCGACGTGAAGTCCGAGGCGGCCCAAGCGCACGCTGTACGAGTCAGTGTTCGG
 GTCAGGGGAAATCTCGGCCCTTCTCCCCAAAAGACTTTGTATCCGTCCCTCCTCGAACCTGTGGAT
 GCGGTGGTGGTGGTTTTCCGTGAAACACGACCCCTGCCTTCTTCCAGAAGTCAATGGGCACCGAAGCA
 CCAATTCTCCACCATAGTTTACCTGCTATTGTTTCCCCGCCAGGACAGTCGGCCCAATATGTCAAG
 ACCTCTGATCACTCGATCCCCTGCATCGCCACTGAACAACCAAGGCATTCCAACCTCCAGCTCAGCTCACC
 AAATCCAACGCACCCGTCCACATCGACGTGGGCGGCCACATGTACACCAGCAGCCTGGCCACCCTCACCA
 AATACCCCGAATCCAGAATCGGAAGACTCTTGTATGGTACAGAGCCCATTTGTTCTGGACAGTCTCAACA
 GCACTATTTTATTGACAGAGACGGGAGATGTTTCAAGATATCTTGAATTTTCTACGAACATCAAAACTC
 CTCATTCTGATGATTTCAAGGACTATACTTTGTTATATGAAGAGGCAAAATACTTTCAACTTCAGCCAA
 TGTTGTTGGAGATGGAGCGATGGAACAGGACAGGAAACTGGCCGCTTTTACGGCCCTGCGAGTGCCT
 CGTGGTGGTGGGCCCGGACCTTGAGAAAGGATCACCTCAGTGGGACAAGTCTTGATAGAGGAA
 GTATTTCCCGAGATCGGGGATGTGATGTGCAACTCGGTCAATGCAGGCTGGAATACGACTCAACACATG
 TCATCAGGTTTCACTAAACGGCTACTGCCACCTCAATTCAGTTCAGGTCCTTGAGCGGTTGAGCAAAG
 AGGATTTGAAATTGTGGTTCCTGTGGAGGAGGAGTGGACTCGTCCCAGTTCAGTGAATATGTCCTCCGA
 CGGGAAGTGAAGCGGACACCCCGAGTACCCTCAGTCATCCGGATAAAACAGGAGCCACTGGACTAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul
ACCN: NM_001142731
Insert Size: 2586 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:	<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_001142731.1</u> , <u>NP_001136203.1</u>
RefSeq Size:	3456 bp
RefSeq ORF:	2586 bp
Locus ID:	106931
Cytogenetics:	18 A1
Gene Summary:	<p>May repress the transcriptional activity of AP-2 family members, including TFAP2A, TFAP2B and TFAP2C to various extent.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1). Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments.</p>