

## Product datasheet for **MR217534**

### **Kctd1 (NM\_001142731) Mouse Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Kctd1 (NM_001142731) Mouse Tagged ORF Clone
Tag:	Myc-DDK
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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**ORF Nucleotide Sequence:**

>MR217534 representing NM\_001142731  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGGCGAGAATGCCTGGCAGCGGGACTGTAACACCAGCGCGGGCGCAGCGCCGCTGCTCGGCCGAGA  
 ACAATGGGGATCGGGGTGAGGGTGAAGCGGGGGCCGGGGCCCGCGCCGCTACGGCCCGCCGATTA  
 CTGCAGCGCGGGCGAGGAGGAGGAGGAAGAGGAGGAGGACGAGATCCAGGAGGTGCAGATAACGGGG  
 GACGAGGAGGAGGACGGAGGTGGGGGGTGGAGGAGGACGAGGAGGAGGAGGAAGAGGAGGAGATGGGGA  
 TGGACTGGGAAGAGCCCTGGAGCCGGAGGACTCGGCCGGGAGGAGCTGGAGCCGGAGCCGGTCCATAT  
 GATCCATATGGACCAGAGCGCCGCTGGAGCCCGAGGCGCCGACGACTGTTGGCGCCCGGGCCCGC  
 GCGGGGCCCGGGGACAGCGCGGAGCTGGACCCGACGTGCTGCAGCGCCCGAGCGGGCCCGGCTGA  
 GCGAGAACCAGGCTGGCCACCCGCTACGCCGTGCGCATCTTCCGGGAGTACCTGAGCGAAAAGGCTCA  
 GAGCCCGACTTCGAGACCATGGACAAGGGGGCGCTGTGCCGCTGCTGCCTCTTCTATGCCGAGGCC  
 CGTTCTAAGAGCGGCCAGCTCTACAGCAAGTCTCGCTCATCAGTATCCGAGCTCCCTCAACCGCTACC  
 TCAACGAGCCCTTACTGTCGACGCTCGACCTACCAAGGACCCCGAGCTGCGCAGCGCAACCTGAC  
 GCTGGCCGAGTCATCCGAAGCTCGAGGAGCAGGGCGCGGGGCCGTTGGTGCAGAAGCAAGCCATCACG  
 CGCGCCGACCTGCGCAAGCTCTACACCTCCAGCGTCTTCAAGCAACACGCCCTTTGGGCTGCTCAACA  
 AGGTCTGGTTCGAGACGTGCATGTACTTCTGCACGCGAGGCCGTGAGAACCAGCGCGAGCTGGAGGAGGA  
 CTCCTTCGGGCTGGCCATGGACGAGGACGGTCGCAAGTTCGTTTACTTCAAGTCGTTGGGCTTACCAT  
 AAGTCGCGTTCCTCGTCTGGAGTAAGAAGCGTGCAGGAGCAGCGACGAAAGAGAAGTTCCTCGCATGT  
 ACGAGACGGGCACTGAGTTCGTCCCTACGCCAGCTTTGTCAAGTACCTGTCTAAGCGCAATCCCCTCTG  
 TAAGGCGTTTTTCCAGCGGCCCGGGACCACTGCAGTGAGGGCGATGTGACATGGTACGAGAACAAGCC  
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 CTAACCATTGCATCGCGCGGTGTCCATCGCCACACTCAACAGCATCGCGGGTATCGGGACCAAGCTAGG  
 CTCCCCAGCCCCGAGGGCTGCTATACCGACTCTGTAACGGGTGAGCTCGTACCACCTCCACCACGCT  
 CCCACCATCCTTCCCACCACCAGCCCGCCCGCCCTCGCTGGGTAACACTTATATCTCCCCAAAG  
 ACAGCCAGGTGCGGCCGACGTGAAGTCCGAGGCGGCCCAAGCGCACGCTGTACGAGTCAGTGTTCGG  
 GTCAGGGGAAATCTCGGCCCTTCTTCCCCAAAAGACTTTGTATCCGTCCCTCCTCGAACCTGTGGAT  
 GCGGTGGTGGTGGTTTCCGTGAAACACGACCCCTGCCTTCTTCCAGAAGTCAATGGGACCGAAGCA  
 CCAATTCTCCACCATAGTTTACCTGCTATTGTTTCCCCGCCAGGACAGTCGGCCCAATATGTCAAG  
 ACCTCTGATCACTCGATCCCCTGCATCGCCACTGAACAACCAAGGCATTCCAACCTCCAGCTCAGCTCACC  
 AAATCCAACGCACCCGTCCACATCGACGTGGGCGGCCACATGTACACCAGCAGCCTGGCCACCCTACCA  
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 CGTGGTGGTGTGGCCCCGACCTTGGAGAAAGGATCACCTCAGTGGGACAAGTCTTGTATAGAGGAA  
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 TCATCAGGTTTCACTAAACGGCTACTGCCACCTCAATTCAGTTCAGGTCCTTGAGCGGTTGAGCAAAG  
 AGGATTTGAAATGTGGGTTCTGTGGAGGAGGAGTGGACTCGTCCAGTTCAGTGAATATGTCCTCCGA  
 CGGGAAGTGAAGCGGACACCCCGAGTACCCTCAGTCATCCGGATAAAACAGGAGCCACTGGAC

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >MR217534 representing NM\_001142731  
 Red=Cloning site Green=Tags(s)

MARMPGSGDCNTSAGGSAAAAAENNGDRGEGERGAGGRGRRYGRPHYCSAGEEEEEEEDEIQEVQITG  
 DEEEDGGGLEEEDEEEEEEMGMDWEEPLEPEDSAGEELEPEPVHMIHMDQSAALEPEAPRLLAPRAR  
 AGPPGDSAELDPDVLQRPERARLSENTRLATRYAVRIFREYLSEKAQSPDFETMDKALCRVLRSFYAEA  
 RSKSGQLYSKSLISIRSSLNRYLNEPPYCRTLDLTKDPELRSANLTLAAVIRKLEEQGAGPVVQKQAIT  
 RADLRKLYTSSVFSTNTPFGLLNKVVWFETCMYFCTRGENQRELEEDSFGLAMDEDGRKFVYFKSLGPYH  
 KSRSSWSKKRAESSDEENLPRMYETGTEFCPYASFVKYLSKRNPCKAFFQRPDRHCSEGDVTWYENKA  
 IGKLLGTRMQMLSKAAKLSKTYTNHCIGAVSIATLNSIAGIGTKLGSPAPQGCYTDSLNGSARHSHHA  
 PTHPSHHHRPQPPSLGNTYILPKDSQVGPDKSEAAPKRTLYESVFGSGEICGPSSPKRLCIRPSSEPVD  
 AVVVVSVKHDPLPLPEVNGHRSTNSPTIVSPAIVSPAQDSRPNMSRPLITRSPASPLNNQGIPTPAQLT  
 KSNAPVHIDVGGHMYTSSLATLTKYPESRIGRLFDGTEPIVLDSLKQHYFIDRDGQMFYILNFLRTSKL  
 LIPDDFKDYTLLEYEAKYFQLQPMLEMERWKQDRETGRFSRPCECLVVRVAPDLGERITLSDGKSLIEE  
 VFPEIGDVMCNSVNAGWNHDSTHIVIRFPLNGYCHLNSVQVLERLQQRGFEIVGSCGGGVDSQFSEYVLR  
 RELRRTPRVPSVIRIKQEPLD

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

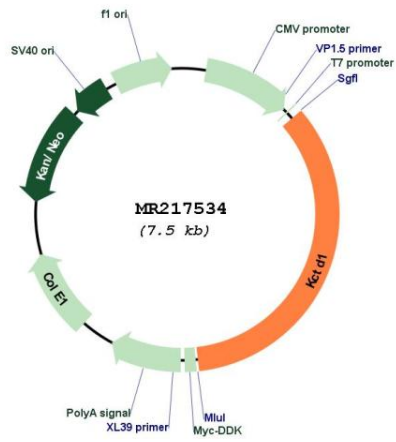
Sgfl-MluI

**Cloning Scheme:**



<b>ACCN:</b>	NM_001142731
<b>ORF Size:</b>	2583 bp
<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_001142731.1</a> , <a href="#">NP_001136203.1</a>
<b>RefSeq Size:</b>	3456 bp
<b>RefSeq ORF:</b>	2586 bp
<b>Locus ID:</b>	106931
<b>Cytogenetics:</b>	18 A1
<b>MW:</b>	96.1 kDa
<b>Gene Summary:</b>	May repress the transcriptional activity of AP-2 family members, including TFAP2A, TFAP2B and TFAP2C to various extent.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR217534