

## Product datasheet for **MR231396**

### **Kctd19 (NM\_001301173) Mouse Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Kctd19 (NM_001301173) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Kctd19
Synonyms:	4922504H04Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>MR231396 representing NM\_001301173  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGGAGGAGCCTGGCGGGCTCCATGAGTCAGCAGAGGATTTGTTCACTTCAATGTCGGGGGCTGGCATT  
 TCTCAGTCCAGGAGCAAACCTGCTCAGTCCAGACTCGCTGTTGTGAAAGAGGCTTACGCCCTGAC  
 CTCTTCAGAGAACCAGCGGCTCTTCATTGACAGAGACGGCTCCACGTTTAGGCATGTGACTATTACCTC  
 TACACGTCCAAGCTCTCCTTCTCCAGTTGTGCAGAACTGAACTTGTCTATGAGCAAGCCCTGGGTTTGC  
 AGCTGATGCCCTTGTTCAGACCCTAGATAACCTGAAGGAAGGGAGACACCCTCCGTGTGCGGCCTGC  
 CGACATTCCTGTGGCTGAGAGAGCATCCCTGAACTACTGGCGGACATGGAAGTGTATCAGCAAGCCCTCG  
 GATTTTCCAATAAAAAGCCCGCCTTACAGGTCTTCATGACAAGGCCCTTTGGGACTCATGGACACAC  
 CGCTGTTGGACACAGAAGAGGAAGTGCCTACTGCTTCTTACCCCTCGACTTGGTGGCAAGTACCAAG  
 CCTAGTGACCGAAGACAATCTGTGTGGCTGGCTGAAACGGTGGCCCTGATCGAGTGCAGTGCAGCGAG  
 TTCCGCTTCATTGTGAATTTCTACGCTCACACAAGATTTTACTACCAGATAACTTCTCCAACATAGATG  
 TGTTAGAAGCAGAAGTAGAAATCTGGAATCCCTGAGCTTACAGAAGCTGTACGGTTGTACCGGATGAA  
 TATGGGTGGCTGTTCCCGGACCTCTGCCACCTCTAAGTCTGGAAAGGGGGTTCGTACAGCCAGTGTG  
 GAGTCTGTGAAACCACTGTACTTGTATGGCCCTGGGCTGCTGGTCAAGTATCCAGACTCTGCACTGGGAC  
 AGCTGCGCATCGAGAGCACGCTGGACGGAAGCAGACTATACATCACAGGGAACGGGGCCCTTTCCAGCA  
 CGTCAGGAACTGGCTGGGCACTTGTGCGCTGCCCTGACTGAGACCATCTCCGAGGTGTATGAGCTCTGC  
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 GGACTTTGCTGCCCGTGGATGTGCTCAGTGAAGGAGTGGACAGCTGAGGTACAGATATACTACCACAGCA  
 GATCATCAAGCTTTATGTTGGAAGCCATTGGTATGCAACGACCCTGCAGACCCTGATGAAGTACCCAGAA  
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 AAATGTTCCGACACATTCTCAACTTCTGAGACTTGGAAAAGTGTTTTACCATCAGAAATTAAGGAATG  
 GCCTCTCTTCCAGGAGGTGGAGGATATCATATCCAGCCCTCTCAGAAGCCCTGGCACAATGCGAA  
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 TGGTGACCGAAGGGACAGGGCAATGGCAGAGTTCAGCAGAGATGCCAAGGAAACCACAGCCTGCATGCC  
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 GCAATCCAGCACATACTCACACTGCTCTGGTTTATGTGCAACCCAGACATTGGGGAGGTCACTCTGA  
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 ACCCCCATGCAAAAACCTCATATCTTTAGTCAGGGAATGGGACATGGTCAACTGTAACAGTGGGAATTC  
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 GCCTCTGCCTAATGCTAACGGGACCGACAATCCAGGGGCCATCCTCAAAGTGGCTCACCCCTGTGGTG  
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 ATACATCACTCACAGCCAGCCCCAACCTTCGAGAAGTGAATTTTCTGAGCTTCTCTGTCTGCTGGAGGA  
 GATGTTTTATGCACAGAAATGTCAACGCTTCTGACCGACATCATCTTGGATTCCATCAGGCAAAAGGAT  
 CCCAAAGCTATCACAGCCAAGGTGGTGTCTCTGGCCTACCGACTGTGGACTGAACATCAGCCCCAAGC  
 AGTTCTGTTGGTGGATCTGTGGCCATCGCTGGCTTCAAGGATGACCGGCACACTCAGGAGCGTCTGTACAG  
 TTGGGTAGAGCTCACACTGCCTTTCGCCAGAAAATATGGCCGTTGCGTGGACCTGCTCATCCAGAGGGGA  
 CTGTCCAGGTCTGTCTTATTTCAGTCTGGGCAAGTATTTACACGAGGGC

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAAGTTTAA

**Protein Sequence:** >MR231396 representing NM\_001301173  
 Red=Cloning site Green=Tags(s)

MEEPGGLHESAEDLHFHNVGGWHFVSPRSKLAQFPDSSLWKEASALTSSSEQRLFIDRDGSTFRHVHYLL  
 YTSKLSFSSCAELNLLYEQALGLQLMPLLQTLDNLKEGRHHLRVRPADIPVAERASLNYWRTWKCSKPS  
 DFPIKSPAFTGLHDKAPLGLMDTPLLDEEEVHYCFPLDLVAKYPSLVTEDNLLWLAETVALIECECSE  
 FRFIVNFLRSHKILLPDNFSNIDVLEAEVEILEIPEL TEAVRL YRMNMGGC SRTSCPPLSPGKGGRTASV  
 ESVKPLYLMALGLLVKYPDSALGQLRIESTLDGSRLYITGNALFQHVRNWLGTCRPLTETISEVYELC  
 AFLDKRDITYEPMKVALKTHLEPRTLLPVDVLESEWTAEVTIYSPQQIIKLYVGSWHYATTLQTLMKYPE  
 LLSNTQRVYWIAYGQTLIIHGDGQMFRIHLNFRLLGKFLPSEFKEWPLFCQEVEEYHIPALSEALAQCE  
 AYKSWTQEKESENEEAFPIRKLHVVTGTGPMAEFSRDAKETTACMPVDFQECSDRTPWNKAKGNLTRSS  
 QMEEAEQYTRTIQVSLCRNAKRGPNSTYSHCSGLCANPRHWGGHSESPPKKCTTINLTQKPDADPPV  
 TPMQKLI SLVREWDMVNCKQWEPQLPASRSSVVEEASLHVPSGSEAAPQPGTSAAWKAHSITSEKDAGP  
 QTGPAGVKDKGPEPTFKPYFPTKRAITLKWGKQRPKDRESPAPEQPLPNANGTDNPGAILKVAHPPVV  
 GNDGSCMFFEDSIIYTTQMDNIKHTSLTASPQLREVTFLSFLSWEEMFYAQKCHRFLTDIILDSIRQKD  
 PKAITAKVVSAYRLWTLNISPQFVVDLLAIAGFKDDRHTQERLYSWVELTLPFARKYGRVDLLIQRG  
 LRSVSYSVLGGKYLHEG

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

SgfI-MluI

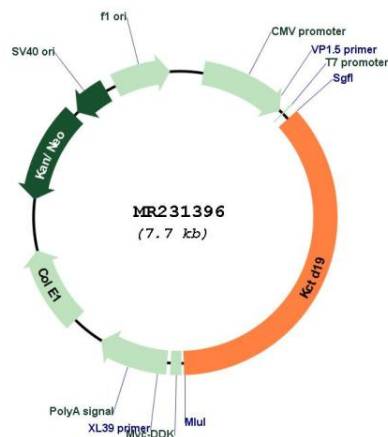
**Cloning Scheme:**



**ACCN:** NM\_001301173

**ORF Size:** 2781 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>	<u>NM_001301173.1, NP_001288102.1</u>
<b>RefSeq Size:</b>	3007 bp
<b>RefSeq ORF:</b>	2784 bp
<b>Locus ID:</b>	279499
<b>UniProt ID:</b>	<u>Q562E2</u>
<b>Cytogenetics:</b>	8 D3
<b>MW:</b>	105.3 kDa

**Product images:**


Circular map for MR231396