

Product datasheet for **RR206979**

Kctd10 (NM_001009973) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Kctd10 (NM_001009973) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Kctd10
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR206979 representing NM_001009973
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAAGAGATGTCAGGAGAAAGCGTGGTGACCTCAGCGGTGCCAGCGGCTGCTACCCGCCACCTTCTCT
TCAAGGGCGCCAGCCCCAGCTCCAAGTACGTGAAGCTAAACGTGGGGGGGGCCCTCTACTACACCACCAT
GCAGACGCTACCAAGCAGGACACCATGCTGAAGGCCATGTTTCAGCGGGCGCATGGAAGTGCTCACCGAC
AGTGAAGGCTGGATCCTCATCGACCGCTGCGGGAAGCACTTCGGGACAATCCTCAACTACCTTCGAGACG
GCGCTGTGCCCTTGCCCGAGAGCCCGGGAGATCGAGGAGCTGCTGGCGGAGGCCAAGTACTACCTGGT
GCAGGGCCTGCTCGAAGAGTGCCAGGCGGCCCTACAAAATAAAGACACTTACGAGCCCTTCTGCAAGGTG
CCTGTCTACATCCTCCAAGGAAGAGCAGAGGCTCATAGCGACGTGAGATAAGCCAGCCGTGAAGCTGC
TCTACAATAGAAGTAACAACAAGTACTCTACACCAGCAATTCGACGACAATATGTTGAAAAACATTGA
ACTGTTTGATAAGCTCTCCCTGCGCTTCAACGGCGGGTCTGTTTCATAAAGGACGTCATCGGGGATGAA
ATCTGCTGTTGGTCATTTACGGCCAGGGCCGAAAAATCGCTGAGGTCTGTTGTACCTCCATTGTCTACG
CCACCGAGAAGAAGCAGACCAAGTTGAATTCCTGAAGCCCGCATTTATGAGGAGACCCGTAATATCTT
GCTGTATGAGGCCAGGATGGCCGAGGACTGACAATGCCTCCTGGAGGCCACGGGTGGGGCAGCTGGA
CGCTCACATCACCTGGATGAGGACGAGGAGCGGGAACGGGAGCGGATCGAGCGAGTGCAGGAGATCCACA
TCAAGCGCCAGACGACCGGGCCACCTCCACCAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR206979 representing NM_001009973
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MEEMSGESVVTSAVPAAATRTTSFKGASPPSKYVKLVGGALYYTTMQLTKQDTMLKAMFSGRMEVLT
 SEGWILIDRCGKHFGTILNLYLDGAVPLPESRREIEELLAEAKYYLVQGLLEECQAALQNKDYEYFCKV
 PVITSSKEEQRLIATSDKPAVKLLYNRSNNKYSYTSNSDDNMLKNIELFDKLSLRFNGRVLFIKDVI
 GDEICCSWVYQGRKIAEVCCTSIVYATEKKQTKVEFPEARIEEYETLNILLYEAQDGRGPDNALLEATGGAAG
 RSHHLDEDEERERERIERVRRRIHIKRPDDRAHLHQ

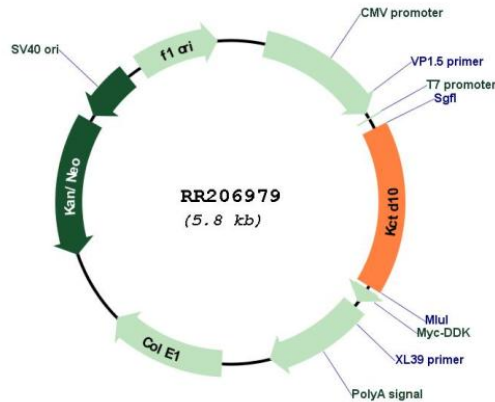
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001009973

ORF Size:	945 bp
OTI Disclaimer:	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
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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:	NM_001009973.1 , NP_001009973.1
RefSeq Size:	2913 bp
RefSeq ORF:	948 bp
Locus ID:	494521
UniProt ID:	Q7TPL3
Cytogenetics:	12q16
MW:	35.7 kDa
Gene Summary:	Substrate-specific adapter of a BCR (BTB-CUL3-RBX1) E3 ubiquitin-protein ligase complex. The BCR(BACURD3) E3 ubiquitin ligase complex mediates the ubiquitination of target proteins, leading to their degradation by the proteasome (By similarity).[UniProtKB/Swiss-Prot Function]