

Product datasheet for **MR204500**

Kctd10 (NM_001159941) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Kctd10 (NM_001159941) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Kctd10
Synonyms: AW536343; C87062; mBACURD3
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR204500 representing NM_001159941
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAAGAGATGTCAGGAGACAGCGTGGTGAAGCTCAGCGGTGCCAGCGGCTGCCACCCGCACTACTTCT
TCAAGGGTGCCAGCCCCAGCTCCAAGTACGTGAAGCTGAACGTGGGGGGCGCTCTCTACTACACCACCAT
GCAGACGCTACCAAGCAGGACACCATGCTGAAGGCCATGTTCAAGTGGACGCATGGAAGTGTCTACGGAC
AGCGAAGGCTGGATCCTCATTGACCGCTGTGGGAAGCACTTTGGGACAATCCTCAACTACCTGCGAGACG
GGGTGTACCCCTTGCCTGAGAGCCCGGGGAGATCGAGGAGCTGTAGCCGAGGCCAAGTACTACCTGGT
GCAGGGCCTGCTGGAAGAGTGCCAGGCCGCCCTACAACAGAACAAGATACTTACGAGCCCTTCTGCAAG
GTACCCGTCATCACATCCTCCAAGGAAGAAGAGGCTTATAGCGACGTCAAATAAGCCCGCGTGAAGC
TGCTCTACAACAGGAGCAACAACAAGTACTCCTACACCAGCAATTCTGACGATAACATGTTGAAAAACAT
CGAACTGTTTCGATAAGCTGTCCCTGCGCTTCAACGGGCGGGTCTGTTTCATTAAGGACGTCATCGGGGAC
GAGATCTGCTGTTGGTCATTTTACGGCCAGGGCCGAAAAATCGTGAAGTCTGTTGTACCTCCATCGTCT
ACGCCACTGAGAAGAAGCAGACCAAGTTGAGTCCCTGAAGCCCGCATTATGAGGAGACCCTGAATAT
CTTGCTGTACGAGGCCAGGATGGCCGAGGACCTGACAATGCCCTCCTGGAGGCCAGGGCGGGGACGCT
GGACGTTCTCATCCTGGACGAGGACGAGGAGCGGGAGCGGGATCGAGCGCGTGAGGAGGATCC
ATATCAAGCGCCAGATGACCGGGCCACCTCCACCAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR204500 representing NM_001159941
 Red=Cloning site Green=Tags(s)

```
MEEMSGDSVSVSSAVPAAATRTTSFKGASPSKYYVKLNVGGALYYTTMQLTKQDTMLKAMFSGRMEVLTDS
SEGWILIDRCGKHFGTILNLYLDGGVPLPESRREIEELLAEAKYYLVQGLLEECQAAALQQNKDITYEPFCK
VPVITSSKEEQRLIATSNKPAVKLLYNRSNNKYSYTSNSDDNMLKNIELFDKLSLRFNNGRVLFIKDVIIGD
EICCWSFYQGQRKIAEVCCTSIYVATEKKQTKVEFPEARIEETLNILLYEAQDGRGPDNALLEATGGAA
GRSHHLDEDEERERERIERVRRRIHIKRPDDRAHLHQ
```

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9036_d06.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_001159941

ORF Size: 948 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:

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_001159941.1](#), [NP_001153413.1](#)

RefSeq Size: 3098 bp

RefSeq ORF: 951 bp

Locus ID: 330171

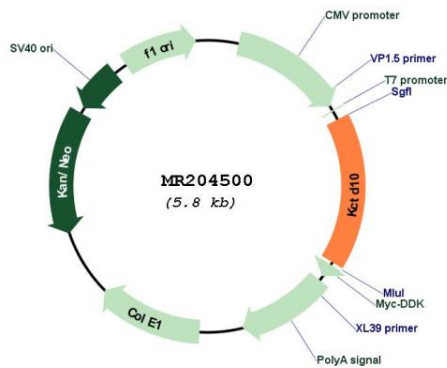
UniProt ID: [Q922M3](#)

Cytogenetics: 5 F

MW: 36.3 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]

Product images:



Circular map for MR204500