

Product datasheet for **MG204500**

Kctd10 (NM_026145) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Kctd10 (NM_026145) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Kctd10
Synonyms: AW536343; C87062; mBACURD3
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG204500 representing NM_026145
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGAAGAGATGTCAGGAGACAGCGTGGTGAAGCTCAGCGGTGCCAGCGGCTGCCACCCGACCACTTCT
 TCAAGGGTGCCAGCCCCAGCTCCAAGTACGTGAAGCTGAACGTGGGGGGCGCTCTCTACTACACCACCAT
 GCAGACGCTACCAAGCAGGACACCATGCTGAAGGCCATGTTCAAGTGGACGCATGGAAGTGTCTACGGAC
 AGCGAAGGCTGGATCCTCATTGACCGCTGTGGGAAGCACTTTGGGACAATCCTCAACTACCTGCGAGACG
 GGGGTGTACCCCTTGCCTGAGAGCCGCGGAGATCGAGGAGCTGCTAGCCGAGGCCAAGTACTACCTGGT
 GCAGGGCCTGCTGGAAGAGTGCCAGGCCGCCCTACAAAACAAAGATACTTACGAGCCCTTCTGCAAGGTA
 CCCGTCATCACATCCTCCAAGGAAGAACAGAGGCTTATAGCGACGTCAAATAAGCCCGCCGTGAAGCTGC
 TCTACAACAGGAGCAACAACAAGTACTCTACACCAGCAATTCTGACGATAACATGTTGAAAAACATCGA
 ACTGTTGATAAGCTGTCCCTGCGCTTCAACGGGCGGGTCTGTTTATTAAAGGACGTCATCGGGGACGAG
 ATCTGCTGTTGGTCATTTACGGCCAGGGCCGAAAATCGCTGAAGTCTGTTGTACCTCCATCGTCTACG
 CCACTGAGAAGAAGCAGACCAAGTTGAGTTCCTGAAGCCCGCATTTATGAGGAGACCCGTAATATCTT
 GCTGTACGAGGCCAGGATGGCCGAGGACCTGACAATGCCCTCCTGGAGGCCACGGGCGGGCAGCTGGA
 CGTTCTCATCACCTGGACGAGGACGAGGAGCGGGAGCGGGAGCGGATCGAGCGCGTGAGGAGGATCCATA
 TCAAGCGCCAGATGACCGGGCCACCTCCACCAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG204500 representing NM_026145
 Red=Cloning site Green=Tags(s)

MEEMSGDSVSVSSAVPAAATRSTTSFKGASPPSSKYVKLVGGALYYTTMQLTKQDTMLKAMFSGRMEVLT
 SEGWILIDRCGKHFGTILNYLRDGGVPLPESRREIEELLAEAKYLVQGLLEECQAALQNKDYEYFCKV
 PVITSSKEEQRLIATSNKPAVKLLYNRSNNKYSYTSNSDDNMLKNIELFDKLSLRFNGRVLFIKDVI
 ICCWSFYGQGRKIAEVCCTSIVYATEKKQTKVEFPEARIEEELNILLYEAQDGRGPDNALLEATGGAAG
 RSHHLDEDEERERERIERVRRRIHIKRPDDRAHLHQ

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_026145

ORF Size: 3092 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_026145.2](#)

RefSeq Size: 3060 bp

RefSeq ORF: 948 bp

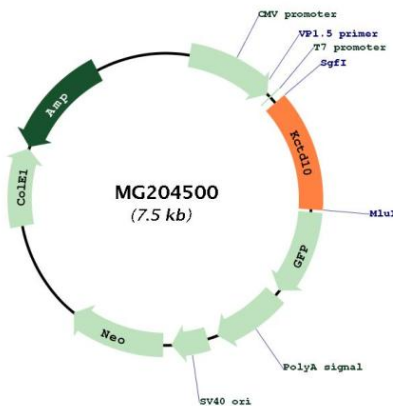
Locus ID: 330171

UniProt ID: [Q922M3](#)

Cytogenetics: 5 F

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 MG204500