

## Product datasheet for **MG223503**

### **Kctd20 (NM\_025888) Mouse Tagged ORF Clone**

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Kctd20 (NM\_025888) Mouse Tagged ORF Clone  
**Tag:** TurboGFP  
**Symbol:** Kctd20  
**Synonyms:** 2410004N11Rik; AI451943; AW541186; D17Ertd562e  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC-GFP (PS100010)  
**E. coli Selection:** Ampicillin (100 ug/mL)  
**ORF Nucleotide Sequence:** >MG223503 representing NM\_025888  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGCCACTTCTGAAGACAACAAGGGCTCATGCTTCCAGAGTGGGAGCAAACGGAGCCACGAGCCCTTCA  
 TTGTGCCAGAGAGATTTGGAAACAGCGGCTTAGGTTTTGGAGGTGGCGCTCACTCTCAAGCCCCAGAGAA  
 GGTGACACTTCTGTGGATGGCACTCGTTTTGTGGTAAATCCTCAGATTTTCACTGCTCATCCGGATACC  
 ATGTTGGGAAGGATGTTGGGCCGGAAGAGAATACAACCTCACAAAGCCCAATGAAAAGGGGGAGTATG  
 TGATCGCGGAGGGGATCAGCGCCACCGTGTCCGCACAGTCCTGGATTATTACAAAACCTGGCATCATCAA  
 CTGTCCAGATGGCATCTCTATCCAGACCTCAGAGACAGGTGTGACTATCTCTGCATTAACCTCGACTTC  
 AACACTATCCGATGTCAGGATCTGAGTGTCTACTGCACGAGCTCTCAACGATGGTGCCCAACAAGCAGT  
 TTGACCACTACCTCGAGGAAGTATTCTGCCATCATGGTGGGCTGTGCCAAGAAAGCGAGCGAGAGTG  
 TCACATTGTCTGTGCTGACAGACGAGGACTCTGTGGACTGGGATGAAGACCACCCCCACCCATGGGGGAA  
 GAGTATTTCCAAATCTTTACAGCTCCAAGCTCTACAGATTCTTCAAATATATCGAGAATAGAGATGTTG  
 CTAACACTGTGTTAAAGGAACGAGGCCTGAAGAACATCCGATTGGAATTGAAGTTACCTACCTGTAA  
 AGAGAAGATCAAGAGGAGACCTGGCGGGCGTCTGAAGTCATCTACAATTATGTGCAGCGCCCTTTATC  
 CAGATGTCATGGGAAAAAGAGGAAGGAAAGAGTCGCCATGTGGATTTCCAGTGGTTCGCAGCAAATCCC  
 TCACTAATTTGGTGGCTGCTGGAGAGGATGTCTTAGAAGACCAGGAGATAATAATGCATCACCACCACA  
 AGTAGATGAACCTTGACCGCTTAATGCTCCACTCTCTCAGATGGCTCCGAATGACTTTCAAGT

**ACGCGTACGCGGCCGCTCGAG** - GFP Tag - GTTTAA



[View online »](#)

**Protein Sequence:** >MG223503 representing NM\_025888  
 Red=Cloning site Green=Tags(s)

MPLPEDNKGSCFQSGSKRSHEPFI VPERFGNSGLFGGGGAHSQAPEKVTLLVDGTRFVVNPQIFTAHPDT  
 MLGRMFGPGREYNFTRPNEKGEYVIAEGISATVFRTVLDYYKTGIINCPDGISIPDLRDTCDYLCINFD  
 NTIRCQDL SALLHEL SNDGAHKQFDHYLEELILPIMVGC AKKGERECHI VVLTDESDVDWEDHPPPMGE  
 EYSQILYSSKLYRFFKYIENRDVAKTVLKERGLKNIRIGIEGYPTCKEKIKRRPGGRSEVIYNYVQRPF I  
 QMSWEKEEGKSRHVD FQCVRSKSLTNLVAAGEDVLEDQE IIMHHPQVDELDRLNAPLSQMAPNDFQD

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_025888

**ORF Size:** 1044 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.

**Note:** Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

**RefSeq:** [NM\\_025888.2](#)

**RefSeq Size:** 2400 bp

**RefSeq ORF:** 1260 bp

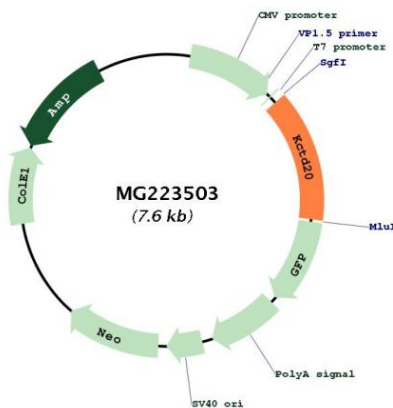
**Locus ID:** 66989

**UniProt ID:** [Q8CDD8](#)

**Cytogenetics:** 17 15.03 cM

**Gene Summary:** Promotes the phosphorylation of AKT family members.[UniProtKB/Swiss-Prot Function]

### Product images:



Circular map for MG223503