

## Product datasheet for **RG200838**

### **KCTD15 (NM\_024076) Human Tagged ORF Clone**

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** KCTD15 (NM\_024076) Human Tagged ORF Clone  
**Tag:** TurboGFP  
**Symbol:** KCTD15  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC-GFP (PS100010)  
**E. coli Selection:** Ampicillin (100 ug/mL)  
**ORF Nucleotide Sequence:** >RG200838 representing NM\_024076  
**Red**=Cloning site **Blue**=ORF **Green**=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGCCTCACCGCAAGGAGCGGCCGAGCGGGTCTCGCTTCACACACACGGCAGCACCGGCACCGCGGAGG  
GAGGAAACATGTCCCGGTGTCTCTCACCCGGTCGCCTGTGTCTCCCCTGGCTGCCAGGGCATCCCCCT  
GCCAGCCAGCTACCAAGTCCAATGCACCTGTGCACATCGATGTGGGCAGCCACATGTACACCAGCAGC  
CTGGCCACGCTACCAAGTACCTGACTCCAGGATAAGCCGCCTTTCAATGGCACTGAACCCATCGTCC  
TGGACAGTTTGAAGCAACATTATTTTCATTGACCCGGATGGGAGATTTTCCGCTACGCTCCTGAGCTTCCT  
CGGGACGTCCAAGCTGCTGCTTCCGGATGACTTTAAGGACTTCAGTCTGCTGTACGAGGAGCGCGCTAC  
TATCAGCTCCAGCCATGGTGCAGGAGCTGGAGCGCTGGCAGCAGGAGCAGGAGCAGCGCGCCGAGCC  
GGGCTGTGACTGCCTGGTGGTGCAGCTCACGCCGACTTGGGCGAGCGGATCGCACTCAGCGCGAGAA  
GGCCCTCATCGAGGAGGTCTTCCCGAGACCGGAGACGTATGTGCAACTCCGTCAACGCCGGCTGGAAC  
CAGGACCCACGCAGTCATCCGCTTCCCGCTCAATGGCTACTGCCGGCTCAACTCGGTACAGGATGTTC  
TA

**ACGCGTACGCGGCCGCTCGAG** - GFP Tag - GTTTAA

**Protein Sequence:** >RG200838 representing NM\_024076  
**Red**=Cloning site **Green**=Tags(s)

MPhRKerPSGSSlHThGStGTAeGGNMSRlSlTRSPVSPLaAQGIPLPAQLTKSNAPVHIDVGSMyTSS  
LAtLTKYPDSRISRLfNGTEPIVLDslKQHYfIDRDGEIfRYVLSfLRTSKLLLpDDfKDFsLLYEEARy  
YQLQPMVRELERWQQEQEQRRRSRACDCLVVRVTPDLGERIALSGEKALIEEVFPETGDVMCNSVnAGWn  
QDPThVIRfPLNGYCRlNSVQDVL

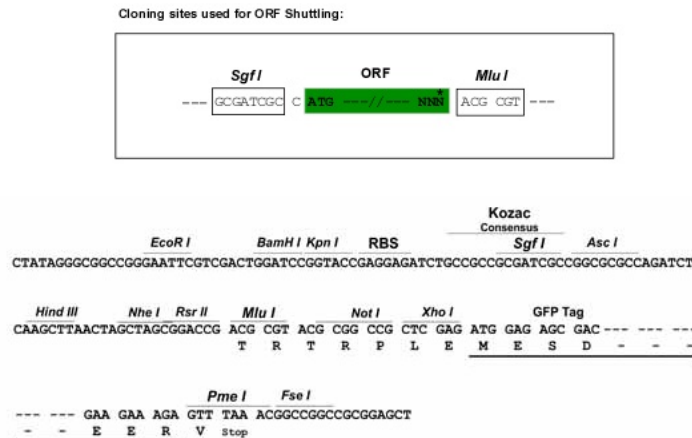
**TRTRPLE** - GFP Tag - V



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**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_024076

**ORF Size:** 702 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\\_024076.1](#), [NP\\_076981.1](#)

**RefSeq Size:** 3413 bp

**RefSeq ORF:** 705 bp

**Locus ID:** 79047

**UniProt ID:** [Q96S11](#)

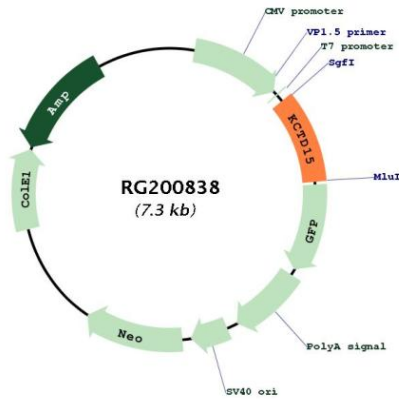
**Cytogenetics:** 19q13.11

**Domains:** BTB, K\_tetra

**Protein Families:** Ion Channels: Other

**Gene Summary:** During embryonic development, interferes with neural crest formation (By similarity). Inhibits AP2 transcriptional activity by interaction with its activation domain.[UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for RG200838