

## Product datasheet for **RG236963**

### **KCTD20 (NM\_001286579) Human Tagged ORF Clone**

#### Product data:

Product Type:	Expression Plasmids
Product Name:	KCTD20 (NM_001286579) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	KCTD20
Synonyms:	C6orf69; dj108K11.3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG236963 representing NM_001286579. Blue=ORF Red=Cloning site Green=Tag(s)

```
GCTCGTTTAGTGAACCGTCAGAATTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGAATGTTACCGTGGCAGTGACAGTGACAGGTTATTGCGGCAGGAGGCCAGCTGCTTAGTGGATGAT
ACTTTAGCTGTAGCCCAAGAAAAAGAAGCAAACAGCCTGGCTTCATCTGGTCCTCATAATCTTACTTAT
CCTCTAGGTCCCAGGAATGAAGGTGCTTTACTCCATGAACTGTCTAATGACGGTGCTCATAAGCAGTTT
GATCACTACCTCGAAGAGCTCATCTTGCCATCATGGTGGGCTGTCCAAGAAAGGAGAACGAGAGTGC
CACATTGTTGTGCTGACGGATGAGGATTCTGTGGACTGGGATGAAGACCACCTCCACCAATGGGGGAG
GAATATCCCAAATCTTTATAGCTCCAAGCTCTACAGATTCTTCAAATATATTGAGAATAGGGATGTT
GCAAAAACAGTGTTAAAGGAACGGGGCCTAAAAACATTCGCATTGGAATTGAAGGTTACCTACCTGT
AAAGAAAAAATTAAGAGAAGGCCTGGCGCCGGTCTGAAGTCATCTATAATTATGTACAACGCCCTTC
ATCCAGATGTCATGGGAAAAGGAAGAAGGGAAGAGTCGCCATGTGGATTTCCAGTGTGTTGGAAGCAA
TCCCTCACGAATCTGGTAGCTGCTGGAGATGATGTCTGGAGGACCAGGAGATATTAATGCATCACCCA
CCCCAAGTGGATGAACTTGACCGGCTAAATGCCCACTTTCTCAGATGGCTTCTAACGACTTTCAGGAT
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAAAC
```



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**Protein Sequence:** >Peptide sequence encoded by RG236963  
 Blue=ORF Red=Cloning site Green=Tag(s)

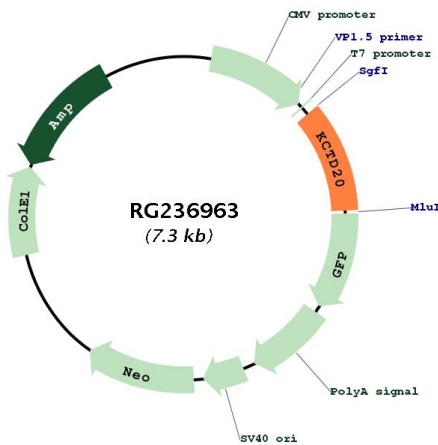
MNVHRGSDSDRLLRQEASCLVDDTLAVAQEKEANSLASSGPHNLTYPLGPRNEGALLHELSDGAHKQF  
 DHYLEELILPIMVGC AKKGERECHIVVL TDESDVDWDEDHPPPMGEEYSQILYSSKLYRFFKYIENRDV  
 AKTVLKERGLKNIRIGIEGYPTCKEIKRRPGRSEVIYNYVQRPFIQMSWEKEEGKSRHVDFQCVRSK  
 SLTNLVAAGDDVLEDEQILMHHPQVDELDRLNAPLSQMASNDFQD  
 TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGGEGTPEQGRMTNKMSTKGALTFSPYLLSHV  
 MGYGFYHFGTYP SGYENPFLHAINNGGYTNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPE  
 SVIFTDKIIRS NATVEHLHPMGDNDLDGSFTRTFSLRDGGYSSVVD SHMHFKSAIHPSILQNGGPMFA  
 FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_001286579

<b>ORF Size:</b>	759 bp
<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>RefSeq:</b>	<a href="#">NM_001286579.2</a>
<b>RefSeq Size:</b>	5145 bp
<b>RefSeq ORF:</b>	762 bp
<b>Locus ID:</b>	222658
<b>UniProt ID:</b>	<a href="#">Q7Z5Y7</a>
<b>Cytogenetics:</b>	6p21.31
<b>Protein Families:</b>	Druggable Genome, Ion Channels: Other
<b>MW:</b>	29.3 kDa
<b>Gene Summary:</b>	Promotes the phosphorylation of AKT family members.[UniProtKB/Swiss-Prot Function]