

## Product datasheet for **RG237088**

### **KCTD20 (NM\_001286580) Human Tagged ORF Clone**

#### Product data:

Product Type:	Expression Plasmids
Product Name:	KCTD20 (NM_001286580) 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:	>RG237088 representing NM_001286580. Blue=ORF Red=Cloning site Green=Tag(s)

```
GCTCGTTTAGTGAACCGTCAGAATTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGTTTGGACCAGGAAGAGAGTACAACCTCACTCGGCCAATGAGAAGGGAGAGTATGAGATTGCTGAA
GGCATCAGTGCAACTGTATTTGCACAGTGCTGGATTATTACAAAACCGGTATCATCAATTGCTCTGAT
GGCATCTCTATCCCAGATCTTAGAGATACTTGTGATTATCTCTGCATTAATTTTGACTTCAACACTATC
CGATGTCAAGATCTGAGTGCTTTACTCCATGAAGTGTCTAATGACGGTGCTCATAAGCAGTTTGATCAC
TACCTCGAAGAGCTCATCTTGCCATCATGGTGGGCTGTGCCAAGAAAGGAGAACGAGAGTGCCACATT
GTTGTGCTGACGGATGAGGATTCTGTGGACTGGGATGAAGACCACCTCCACCAATGGGGGAGGAATAT
TCCCAAATCTTTATAGCTCCAAGCTCTACAGATCTTCAAATATATTGAGAATAGGGATGTTGCAAAA
ACAGTGTTAAAGGAACGGGGCCTAAAAACATTCGCATTGGAATTGAAGTTACCCTACCTGTAAGAA
AAAATTAAGAGAAGGCCTGGCGCCGGTCTGAAGTCATCTATAATTATGTACAACGCCCTTCATCCAG
ATGTCATGGGAAAAGGAAGAAGGAAGAGTCGCCATGTGGATTTCCAGTGTTCGAAGCAAATCCCTC
ACGAATCTGGTAGCTGCTGGAGATGATGCTTGGAGGACCAGGAGATTAATGCATCACCACCCCAA
GTGGATGAACCTGACCGCTAAATGCCCACTTCTCAGATGGCTTCTAACGACTTTCAGGAT
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAAAC
```



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**Protein Sequence:** >Peptide sequence encoded by RG237088  
 Blue=ORF Red=Cloning site Green=Tag(s)

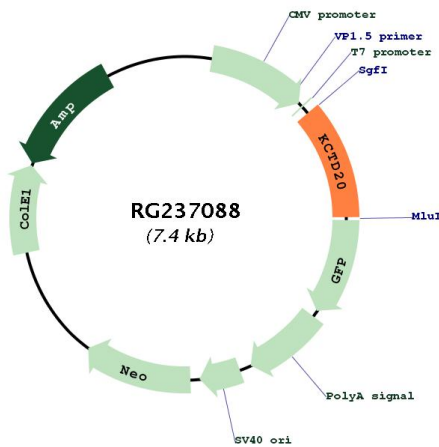
MFGPGREYNFTRPNEKGEYEIAEGISATVFRTVLDYYKTGIINCPDGISIPDLRDTCDYLCINFDNTI  
 RCQDL SALLHEL SNDGAHKQFDHYLEEL ILPIMVCAKKGERECHIVVL TDESDVDWDEDHPPPMGEEY  
 SQILYSSKLYRFFKYIENRDVAKTVLKERGLKNIRIGIEGYPTCKEKIKRRPGRSEVIYNYVQRPFIQ  
 MSWEKEEGKSRHVDVQCVRSKSLTNLVAAGDDVLEDQEILMHHPQVDELDRNLNAPLSQMASNDFQD  
 TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGGEGTPEQGRMTNKMKSTKGALTFSPYLLSHV  
 MGYGFYHFGTYPSGYENPFLHAINNGGYTNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPEP  
 SVIFTDKIIRSNAIVEHLHPMGDNDLDGSFTRTFSLRDGGYSSVVD SHMHFKSAIHPSILQNGGPMFA  
 FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_001286580

<b>ORF Size:</b>	822 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_001286580.1</a> , <a href="#">NP_001273509.1</a>
<b>RefSeq Size:</b>	5369 bp
<b>RefSeq ORF:</b>	825 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>	32.1 kDa
<b>Gene Summary:</b>	Promotes the phosphorylation of AKT family members.[UniProtKB/Swiss-Prot Function]