

Product datasheet for **RC237088**

KCTD20 (NM_001286580) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	KCTD20 (NM_001286580) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	KCTD20
Synonyms:	C6orf69; dj108K11.3
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RC237088 representing NM_001286580 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGTTTGGACCAGGAAGAGAGTACAACCTCACTCGGCCAATGAGAAGGGAGAGTATGAGATTGCTGAAG
GCATCAGTGCAACTGTATTCGCACAGTGTGGATTATTACAAAACCGGTATCATCAATTGCTCTGATGG
CATCTCTATCCCAGATCTTAGAGATACTTGTGATTATCTCTGCATTAATTTTGACTTCAACACTATCCGA
TGCAAGATCTGAGTGTCTTACTCCATGAAGTCTAATGACGGTGTCTAAGCAGTTTGTACTACC
TCGAAGAGCTCATCTTGCCCATCATGGTGGCTGTGCCAAGAAAGGAGAACGAGAGTGCCACATTGTTGT
GCTGACGGATGAGGATTCTGTGGACTGGGATGAAGACCACCTCCACCAATGGGGGAGGAATATCCCAA
ATTCTTTATAGCTCCAAGCTCTACAGATTCTTCAAATATATTGAGAATAGGGATGTTGCAAAAACAGTGT
TAAAGGAACGGGGCCTAAAAACATTTCGATTGGAATTGAAGTTACCCTACCTGTAAGAAAAAATTA
GAGAAGCCTGGCGCCGGTCTGAAGTCATCTATAATTATGTACAACGCCCTTCATCCAGATGTCATGG
GAAAAGGAAGAAGGGAAGAGTCGCCATGTGGATTCCAGTGTGTTCAAGCAAATCCCTCACGAATCTGG
TAGCTGCTGGAGATGATGTCTTGGAGACCAGGAGATTAATGCATCACCCACCCAAGTGATGAAGT
TGACCGGCTAAATGCCCACTTTCTCAGATGGCTTCTAACGACTTTCAGGAT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC237088 representing NM_001286580
 Red=Cloning site Green=Tags(s)

MFGPGREYNFTRPNEKGEYEIAEGISATVFRTVLDYYKTGIINCPDGISIPDLRDTCDYLCINFDNFNIR
 CQDLSALLHELSDNGAHKQFDHYLEELILPIMVGCACKGERECHIVVLTDESDVDWDEDHPPPMGEEYSQ
 ILYSSKLYRFFKYIENRDVAKTVLKERGLKNIRIGIEGYPTCKEIKRRPGRSEVIYNYVQRPFIQMSW
 EKKEEGSRHVDFQCVRSKSLTNLVAAGDDVLEDQEILMHPPQVDELDRNLNAPLSQMASNDFQD

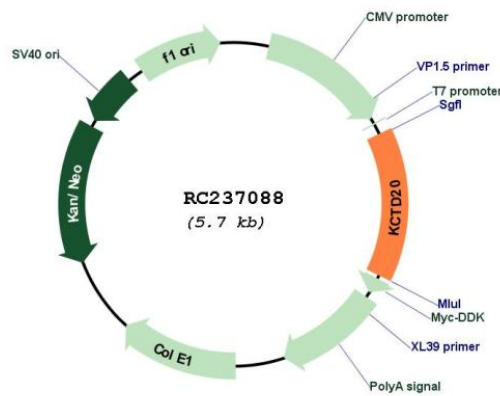
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001286580
ORF Size: 822 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:	<ol style="list-style-type: none">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_001286580.1 , NP_001273509.1
RefSeq Size:	5369 bp
RefSeq ORF:	825 bp
Locus ID:	222658
UniProt ID:	Q7Z5Y7
Cytogenetics:	6p21.31
Protein Families:	Druggable Genome, Ion Channels: Other
MW:	32.1 kDa
Gene Summary:	Promotes the phosphorylation of AKT family members.[UniProtKB/Swiss-Prot Function]