

Product datasheet for **RC236963**

KCTD20 (NM_001286579) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	KCTD20 (NM_001286579) 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:	>RC236963 representing NM_001286579 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAATGTTACCGTGGCAGTGACAGTGACAGGTTATTGCGGCAGGAGGCCAGCTGCTTAGTGGATGATA
CTTTAGCTGTAGCCCAAGAAAAAGAAGCAAACAGCCTGGCTTCATCTGGTCCATAATCTTACTTATCC
TCTAGGTCCCAGGAATGAAGGTGCTTTACTCCATGAAGTCTAATGACGGTGCTCATAAGCAGTTTGAT
CACTACCTCGAAGAGCTCATCTTGCCCATCATGGTGGGCTGTGCCAAGAAAGGAGAACGAGAGTGCCACA
TTGTTGTGCTGACGGATGAGGATTCTGTGGACTGGGATGAAGACCACCCTCCACCAATGGGGGAGGAATA
TTCCCAAATTCTTTATAGCTCCAAGCTCTACAGATTCTTCAAATATATTGAGAATAGGGATGTTGCAAAA
ACAGTGTTAAAGGAACGGGGCCTAAAAACATTGCGATTGGAATTGAAGGTTACCCTACCTGTAAGAAA
AAATTAAGAGAAGGCCTGGCGCCGGTCTGAAGTCATCTATAATTATGTACAACGCCCTTCATCCAGAT
GTCATGGGAAAAGGAAGAAGGAAGAGTCGCCATGTGGATTTCCAGTGTGTTGGAAGCAAATCCCTCAGC
AATCTGGTAGCTGCTGGAGATGATGCTTGGAGGACCAGGAGATTAATGCATCACCCACCCCAAGTGG
ATGAACCTGACCGGCTAAATGCCCCACTTCTCAGATGGCTTCTAACGACTTTCAGGAT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC236963 representing NM_001286579
 Red=Cloning site Green=Tags(s)

MNVHRGSDSDRLLRQEASCLVDDTLAVAQEQEANSCLASSGPHNLTYPLGPRNEGALLHELSDNGAHKQFD
 HYLEELILPIMVGCACKKGERECHIVVL TDESDVDWDEDHPPPMGEEYSQILYSSKLYRFFKYIENRDVAK
 TVLKERGLKNIRIGIEGYPTCKEIKRRPGGRSEVIYNYVQRPFIQMSWEKEEGKSRHVDFQCVRKSLT
 NLVAAGDDVLEDQEILMHHPQVDELDRNLNAPLSQMASNDFQD

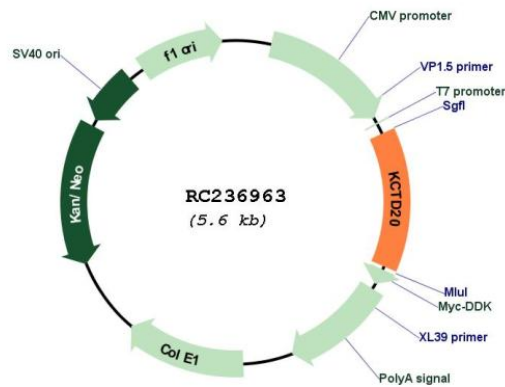
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001286579
ORF Size: 759 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_001286579.2
RefSeq Size:	5145 bp
RefSeq ORF:	762 bp
Locus ID:	222658
UniProt ID:	Q7Z5Y7
Cytogenetics:	6p21.31
Protein Families:	Druggable Genome, Ion Channels: Other
MW:	29.3 kDa
Gene Summary:	Promotes the phosphorylation of AKT family members.[UniProtKB/Swiss-Prot Function]