

## Product datasheet for **RC207396**

### **KCTD18 (NM\_152387) Human Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	KCTD18 (NM_152387) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	KCTD18
Synonyms:	6530404F10Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide  
Sequence:

>RC207396 representing NM\_152387  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCCCGCATCGCC

ATGGAAGGCCACAAGGCAGAAGAAGAGGTGCTAGATGTTCTCCGACTGAACGTGGGTGGCTGATTTTACA  
CAGCCCGCGGGAGTCCCTTGCCGCTTCAAGGACTCCATGTTGGCATCTATGTTCAAGTGGTCGCTTCC  
TCTAAAAACAGATGAGTCAGGGCTTGTGTTATTGACCGTGATGGACGTCTATTTAAATACCTTTTGGAT  
TACCTTATGAGAAAGTTCAGATCCCACAGATGAGCAAACCCGCATCGCCCTACAGGAAGAGGCTGATT  
ACTTTGGCATCCCTTATCCATACAGCCTGTCTGACCATTGGCCAATGAAATGGAGACATATTCTTTAAG  
GTCAAATATAGAACTTAAAAAGGCTTAAACAGACTTCTGTGATTCATATGGCTTAGTCTGCAATAAACCA  
ACAGTTTGGGTTCTCCACTATCTAACACATCTGGTGCAAGCTGTGAGAGTAGAATTATTGGTGTATATG  
CCAAAAACTGATGGAACAGACGCTATTGAAAAGCAGCTGGGAGGAAGAATTCACAGCAAAGGCATTTT  
TAAAAGAGAGCGCGGAAATAATGTTCAAGTACATTTGGAGCTATTATTCAGTAGCAGAGTTGAAGAAAATG  
ATGGATGCCTTTGATGCTTGGGAAGGAAAAGGTGTTAGCTACTGGCGGGTGCCTCATGAGCTGATAGAGT  
GTTGGACTCTAGAAGAACGGCCTTACTTGAAGCCTGCGTCACATGGCTCCAATTGCAAAGAGGCGGACT  
GATAACGTTCAATGAAGCGGACGAAAGTGTGAAGTATAAGACTGGTCTAAGCCAGTTAGATTTTGGGC  
CCTTCCACAAGTACCAAATTAAGTCAAGAACTCGGCCCTCAGTCACGGTGTCTCCAGCCAGTGCCATCC  
AGAGCTCGGCTGGGGCGACAGCAAACCGGTTTCAAAGTGGTAGCCGCAGAAAGGCAGCTCAGCGCTCTGC  
ACCTTCCAGAGCCACGGCCCTGGTGGGCACGGGGCACCTGGGCATCCTCAGGCTTCCCTGGGGCTGCG  
AGCGGTGATAAAGCTGAAGAGGACTCCGCTGTGCGCCACCGCGCCTTGCCTGCCCTCCCCACGGCCAC  
GAGGCAGGCCAACTCCCTCAAGCCGCTTCCCGGCAAGCTGCCCGTGCCTGGGAGTGCGGACTGAGAAC  
GGGAAGAACAAGGAAAT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

## Protein Sequence:

>RC207396 representing NM\_152387  
Red=Cloning site Green=Tags(s)

MEGHKAEEVLDVLRNLNVGGCIYTARRESLCRFKDSMLASMFSGRFPLKTDESGACVIDRDGRLFKYLLD  
YLHGEVQIPTDEQTRIALQEEADYFGIPYPYSLDHLANEMETYSLSRNIELKKALDFCDSYGLVCNKP  
TVWVLHYLNTSGASCESRIIGVYATKTDGTDIEKQLGGRIHSGKIFKREAGNNVQYIWSYYSVAELKKM  
MDAFDAWEGKGVSYWRVPHELIECWTLERPLLGSLRHMAPIRKRRLITFNEADESVNYKTGPKPVRFLG  
PSTSTQIKVKNSASVTVSPASAIQTSAGATANRFQSGSRRKAAQRSAPS RATALVGTGAPGHPQASPGAA  
SAENGGTHLPPAKVLLSDKKPTPQRVIKLRTPLCATAPCLPSPATRQANSLKPLPGEAARALGVRTEN  
GKNKGN

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

## Chromatograms:

[https://cdn.origene.com/chromatograms/mk8113\\_d05.zip](https://cdn.origene.com/chromatograms/mk8113_d05.zip)

## Restriction Sites:

Sgfl-Mlul

**Cloning Scheme:**


**ACCN:** NM\_152387

**ORF Size:** 1278 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\\_152387.4](#)

**RefSeq Size:** 2959 bp

**RefSeq ORF:** 1281 bp

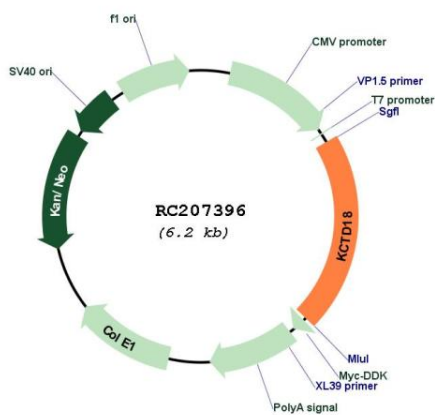
**Locus ID:** 130535

**UniProt ID:** [Q6PI47](#)

**Cytogenetics:** 2q33.1

Domains: K\_tetra  
 Protein Families: Ion Channels: Other  
 MW: 46.6 kDa

**Product images:**



Circular map for RC207396