

## Product datasheet for **RR202290**

### **Kctd13 (NM\_198736) Rat Tagged ORF Clone**

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Kctd13 (NM\_198736) Rat Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** Kctd13  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**ORF Nucleotide Sequence:** >RR202290 representing NM\_198736  
**Red=Cloning site Blue=ORF Green=Tags(s)**

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGTCGGCCGAGGCCTCTGGCCCGGGCGGCTGCGGCCGAATGCCTGGAGTCCCCTAACCCCTCAGGTG  
TCGAACCTGGCTCCCCCTCGTACAGTCTGAAGCCCCTGACCCCGAACAGCAAGTATGTGAAGCTGAACGT  
GGGCGGCTCGCTGCACTACACCACGCTGCGCACCCCTCACGGGGCAGGACACCATGTCAAGGCCATGTTT  
AGCGGCCCGGTGAAGTGTCTCACAGATGCGGGAGGTTGGGTGCTGATTGACCGGAGTGGCCGACACTTTG  
GTACAATTCTCAACTACCTGCGGGACGGGTCAGTGCCACTGCCTGAGAGTACCAGAGAAGTGGGGGAGCT  
GCTAGGTGAAGCCGATACTACCTGGTACAGGGCCTGATTGAAGACTGTCAGCTGGCGCTGCAGCAAAAA  
AGGGAGAAGTTGTCGCCACTATGCCTCATCCCGACAGTGACATCACCCCGGAAGAGCAGCAGCTCCTGG  
CCAGCACCTCCAAGCCTGTGGTAAAGCTTCTGCACAATCGCAGTAACAACAAGTACTCCTATACCAGCAC  
TTCAGATGACAACTTACTGAAGAACATCGAGCTGTTTGACAACTAGCCCTGCGCTTTCATGGGCGGCTG  
CTCTTCTCAAGGACGTCTGGGGACGAGATTTGCTGCTGGTCTTTCTACGGGCAGGGCCGAAAAATCG  
CCGAGGTGTGCTGCACCTCCATAGTCTATGCTACGGAGAAGAAGCAGACCAAGGTGGAATTCCTGAAGC  
TCGGATCTTCGAGGAGACCCTGAACATCTAATTTATGAGAATCCCGTGGCCAGATCTGGCTCTCCTG  
GAGGCCACAGGGGTGCAGCTGGAGGTGGTGGGCGAGGCCGAGGAGATGATGAAGAGAACAGAGAGCACC  
GTGTTTCAAGGATTCACGTCCGCCCATATACCCCATGATGAGCGTCTCATGGCCAACAGATTGTCTT  
CAAGGAC

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >RR202290 representing NM\_198736  
 Red=Cloning site Green=Tags(s)

MSAEASGPAAAAAECLSPNPSGVPEGPSYSLKPLTPNSKYVKLVGGSLHYTTLRTL TGQDTMLKAMF  
 SGRVEVLT DAGGWVLD RSGRHF GTILN YLRDGSVPLPESTREL GELLGEARYYL VQGLIEDCQLALQOK  
 REKLSPLCL IPTVTS PREEQQLASTSKPVV KLLHNRSNNKYSYTSDDNLLKNIELFDKLALRFHGRL  
 LFLKDVLDGEICCSW FYGQGRKIAEVCCTSIVYATEKKQTKVEFPEARIFEETLNIL IYENS RGPDLALL  
 EATGGAAGGGGAGRGDDEENREHRVRRIHVRRHITHDERPHGQQIVFKD

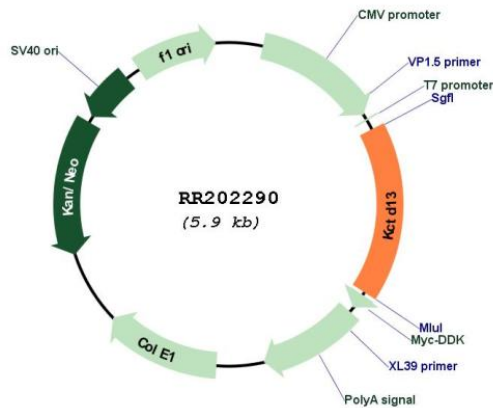
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_198736

<b>ORF Size:</b>	987 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>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_198736.1</a> , <a href="#">NP_942031.1</a>
<b>RefSeq Size:</b>	1716 bp
<b>RefSeq ORF:</b>	990 bp
<b>Locus ID:</b>	293497
<b>Cytogenetics:</b>	1q37
<b>MW:</b>	36.4 kDa
<b>Gene Summary:</b>	human homolog binds the small subunit of DNA polymerase delta and binds proliferating cell nuclear antigen (PCNA); human homolog may play roles in cytokine activation and DNA replication [RGD, Feb 2006]