

## Product datasheet for **RR209072**

### Ctf1 (NM\_017129) Rat Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Ctf1 (NM\_017129) Rat Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** Ctf1  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**ORF Nucleotide Sequence:** >RR209072 representing NM\_017129  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCCGCGATCGCC

ATGAGCCAGAGGGAGGGAAGTCTGGAAGACCACCAGACTGACTCCTCATTCTCATTCTACCCATTTGG  
 AGGCCAAGATCCGACAGACACACAACCTTGCACGCCTCCTGACCAATATGCAGACCAATTGCTGGAGGA  
 ATATGTGCAGCAACAGGGAGAGCCCTTTGGGCTGCCGGGCTTCTACCACCGCGGCTGCCGCTGGCCGGC  
 CTGAGTGGCCCGGCTCCGAGCCACGCGGGGCTACCGGTGTCCGAGCGGCTGCGGCAGGATGCAGCCGCT  
 TGAGTGCTTGCCCGGCTATTGGATGCTGTGCGCCGCCAGCGCCAGCGCGGAGCTGAACCCACGCGCCCGCG  
 CCTACTGCGGAGCCTGGAGGACGCTGCCCGCCAGGTTCCGGCCCTGGGCGCCGCGGTGGAGACCGTGCTG  
 GCCGCTCTGGGCGCTGCAGCCCGCGGGCCCGTGCCAGAGCCTGTGCGCACCTCCGCCCTTTCACCTCCA  
 ACAGTGCAGGAGGCTTCTCAGCTAAGGTGCTGGGGCTCCACGTGTGCGGCCTCTATGGCAGTGGGT  
 GAGCCGCACCGAGGGTGACCTGGGCCAACTGGTGCCAGGGGGCGTTGCC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >RR209072 representing NM\_017129  
Red=Cloning site Green=Tags(s)

MSQREGSLEDHQTDSSFSFLPHLEAKIRQTHNLARLLTKYADQLLEEYVQQGEPFGLPGFSPRLPLAG  
 LSGPAPSHAGLPVSELRQDAAALSALPALLDAVRRRQAEINPRAPRLRSLAARQVRALGAAVETVL  
 AALGAAARGPVPEPVATSALFTSNSAAGVFSKVLGLHVCGLYGEWVSRTEGDLGQLVPGGVA

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI



**Cloning Scheme:**


**ACCN:** NM\_017129

**ORF Size:** 609 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\\_017129.1](#), [NP\\_058825.1](#)

**RefSeq Size:** 1398 bp

**RefSeq ORF:** 612 bp

**Locus ID:** 29201

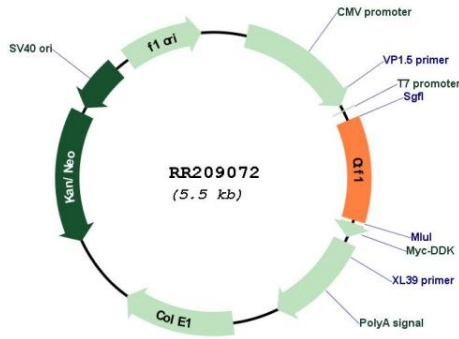
**UniProt ID:** [Q63086](#)

**Cytogenetics:** 1q37

**MW:** 21.4 kDa

**Gene Summary:** Interleukin-6 family cytokine with hypertrophic and protective effects in cardiac cells; also a neurotrophic factor [RGD, Feb 2006]

**Product images:**



Circular map for RR209072