

## Product datasheet for MR228433

### Ctf1 (NM\_001301282) Mouse Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Ctf1 (NM\_001301282) Mouse Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** Ctf1  
**Synonyms:** CT-1  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**ORF Nucleotide Sequence:** >MR228433 representing NM\_001301282  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGGAAGACCACCAGACTGACTCCTCAATCTCATTCTACCCATTTGGAGGCCAAGATCCGCCAGACAC  
 ACAACCTTGCCCGCTCCTGACCAAATATGCAGAACTTCTGGAGGAATACGTGCAGCAACAGGGAGA  
 GCCCTTTGGGCTGCCGGGCTTCTACCACCGCGCTGCCGCTGGCCGGCCTGAGTGGCCCGCTCCGAGC  
 CATGCAGGGCTACCGGTGTCCGAGCGGCTGCGGCAGGATGCAGCCGCCCTGAGTGTGCTGCCCGCGCTGT  
 TGGATGCCGTCCGCCGCCAGGCGGAGCTGAACCCGCGCGCCCGCGCCTGCTGCGGAGCCTGGAGGA  
 CGCAGCCCGCCAGGTTCCGGGCCCTGGGCGCCGCGTGGAGACAGTGTGGCCGCGCTGGCGCTGCAGCC  
 CGCGGGCCCGGGCCAGAGCCCGTACCCTGCCACCCCTTTCACGGCCAACAGCACTGCAGGCATCTTCT  
 CAGCCAAGGTGCTGGGGTTCCACGTGTGCGGCCCTATGGCGAGTGGGTGAGCCGCACAGAGGGCGACCT  
 GGGCCAGCTGGTGCCAGGGGGCGTCGCC

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >MR228433 representing NM\_001301282  
 Red=Cloning site Green=Tags(s)

MEDHQTDSSISFLPHLEAKIRQTHNLARLLTKYAEQLLEEYVQQGEPFGLPGFSPRRLPLAGLSGPAPS  
 HAGLPVSERLRQDAAALSVLPALLDAVRRRQAEINPRAPRLLRSLEDAARQVRALGAAVETVLAALGAAA  
 RGPPEPVTATLFTANSTAGIFSAKVLGFHVCGLYGEWVSRTEGDLGQLVPGGVA

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

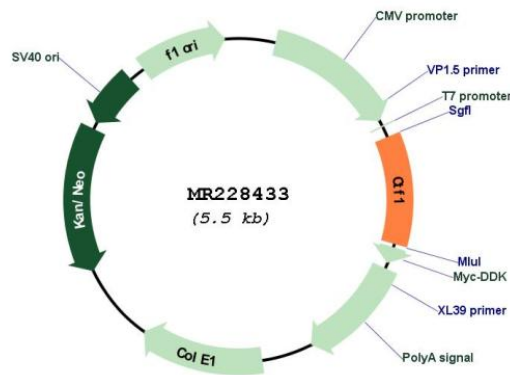


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Cloning Scheme:



Plasmid Map:



ACCN: NM\_001301282

ORF Size: 588 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\\_001301282.1](#), [NP\\_001288211.1](#)

**RefSeq Size:** 1403 bp

**RefSeq ORF:** 591 bp

**Locus ID:** 13019

**Cytogenetics:** 7 F3

**MW:** 21.2 kDa

**Gene Summary:** Induces cardiac myocyte hypertrophy in vitro. Binds to and activates the ILST/gp130 receptor. [UniProtKB/Swiss-Prot Function]