

## Product datasheet for MR223776

### Ctf1 (NM\_007795) Mouse Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Ctf1 (NM\_007795) Mouse Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** Ctf1  
**Synonyms:** CT-1  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**ORF Nucleotide Sequence:** >MR223776 representing NM\_007795  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGAGCCAGAGGGAGGGAAGTCTGGAAGACCACCAGACTGACTCCTCAATCTCATTCTACCCCATTTGG  
 AGGCCAAGATCCGCCAGACACACAACCTTGCCCGCTCTGACCAAAATGCAGAACAATTCTGGAGGA  
 ATACGTGCAGCAACAGGGAGAGCCCTTTGGGCTGCCGGGCTTCTACCACCGGGCTGCCGCTGGCCGGC  
 CTGAGTGGCCCGCTCCGAGCCATGCAGGGCTACCGGTGTCCGAGCGGCTGCGGCAGGATGCAGCCGCC  
 TGAGTGTGCTGCCCGCTGTTGGATGCCGTCCGCGCCGCCAGGCGGAGCTGAACCCGCGCCCGCCGCG  
 CCTGCTGCGGAGCCTGGAGGACGCAGCCCGCCAGGTTCCGGCCCTGGGCGCCGCGGTGGAGACAGTGCTG  
 GCCGCGCTGGGCGCTGCAGCCCGCGGGCCGGCCAGAGCCCGTCACCGTCCGCCACCCCTTTCACGGCCA  
 ACAGCACTGCAGGCATCTTCTCAGCCAAGGTGCTGGGGTCCACGTGTGCGGCCTCTATGGCGAGTGGGT  
 GAGCCGCACAGAGGGCGACCTGGCCAGCTGGTCCAGGGGGCGTCGCC

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >MR223776 representing NM\_007795  
 Red=Cloning site Green=Tags(s)

MSQREGSLEDHQTDSSISFLPHLEAKIRQTHNLARLLTKYAEQLLEEYVQQGEPFGLPGFSPRLPLAG  
 LSGPAPSHAGLPVSELRQDAAALSVLPALLDAVRRRQAEINPRAPRLLRSLEDAARQVRALGAAVETVL  
 AALGAAARGPGPEPVTATLFTANSTAGIFS AKVLGFHVCGLYGEVWSRTEGDLGQLVPGGVA

**TRTRPLEQKLI**SEEDLAANDILDYKDDDDKV

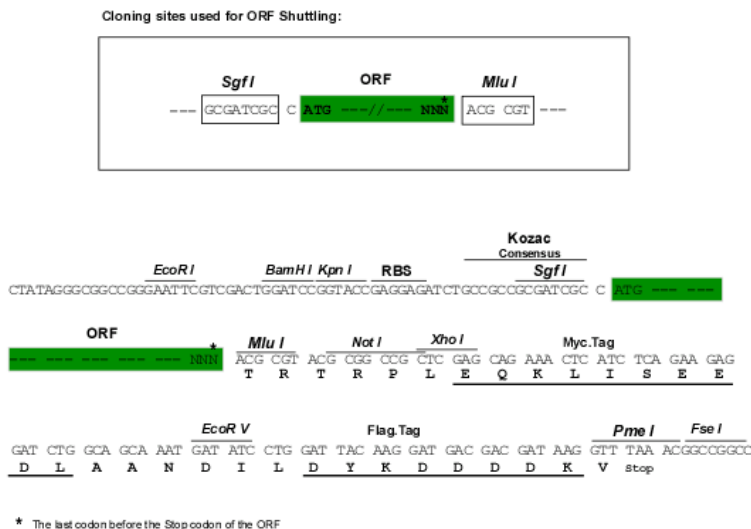


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**Chromatograms:** [https://cdn.origene.com/chromatograms/mm9007\\_f03.zip](https://cdn.origene.com/chromatograms/mm9007_f03.zip)

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_007795

**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\\_007795.2](#)

**RefSeq Size:** 1345 bp

**RefSeq ORF:** 612 bp

**Locus ID:** 13019

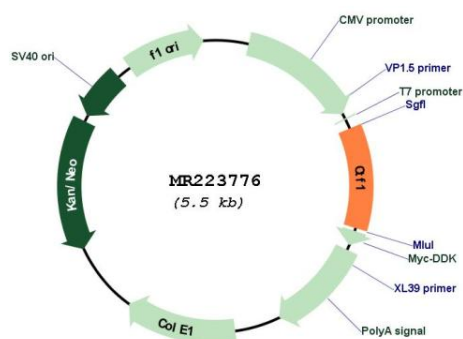
UniProt ID: [Q60753](#)

Cytogenetics: 7 F3

MW: 22 kDa

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

### Product images:



Circular map for MR223776