

Product datasheet for **MR228426**

Ctf1 (NM_001301283) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Ctf1 (NM_001301283) 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: >MR228426 representing NM_001301283
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGACCACCAGACTGACTCCTCAATCTCATTCTACCCATTTGGAGGCCAAGATCCGCCAGACACACA
ACCTTGCCCGCTCCTGACCAAATATGCAGAACAATTCTGGAGGAATACGTGCAGAACAGGGAGAGCC
CTTTGGGCTGCCGGCTTCTACCACCGCGGCTGCCGCTGGCCGGCTGAGTGGCCGGCTCCGAGCCAT
GCAGGGTACCGGTGTCGAGCGGCTGCCGAGGATGCAGCCGCCCTGAGTGTGCTGCCCGGCTGTTGG
ATGCCGTCCGCCGCCAGGCGGAGCTGAACCCGCGCGCCCGCGCTGCTGCGGAGCCTGGAGGACGC
AGCCCGCCAGGTTCCGGCCCTGGGCGCCGCGGTGGAGACAGTGTGGCCGCGTGGGCGCTGCAGCCCGC
GGGCCCGGCCAGAGCCCGTACCGTCGCCACCCTCTTCACGGCCAACAGCACTGCAGGCATCTTCTCAG
CCAAGTGCTGGGGTTCCACGTGTGCCGCTCTATGGCGAGTGGGTGAGCCGCACAGAGGGCGACCTGGG
CCAGCTGGTGCCAGGGGGCGTCGCC

ACGCGTACGCGCGGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR228426 representing NM_001301283
Red=Cloning site Green=Tags(s)

MDHQTDSSISFLPHLEAKIRQTHNLARLLTKYAEQLLEEYVQQGEPFGLPGFSPRLPLAGLSGPAPSH
AGLPVSELRQDAAALSVLPALLDAVRRRQAEINPRAPRLRSLEDAARQVRALGAAVETVLAALGAAAR
GPGPEPVTATLFTANSTAGIFS AKVLGFHVCGLYGEWVSRTGDLGQLVPGGVA

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

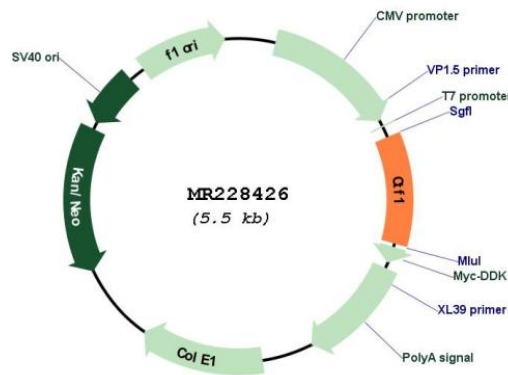
Restriction Sites: Sgfl-MluI



Cloning Scheme:



Plasmid Map:



ACCN: NM_001301283

ORF Size: 585 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_001301283.1](#), [NP_001288212.1](#)

RefSeq Size: 1400 bp

RefSeq ORF: 588 bp

Locus ID: 13019

Cytogenetics: 7 F3

MW: 21.1 kDa

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