

Product datasheet for **MC226222**

Ctf1 (NM_001301282) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Ctf1 (NM_001301282) Mouse Untagged Clone
Tag: Tag Free
Symbol: Ctf1
Synonyms: CT-1
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC226222 representing NM_001301282
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGGAAGACCACCAGACTGACTCCTCAATCTCATTCTACCCATTTGGAGGCCAAGATCCGCCAGACAC
ACAACCTTGCCCGCCTCCTGACCAAATATGCAGAAACAATTCTGGAGGAATACGTGCAGCAACAGGGAGA
GCCCTTTGGGCTGCCGGGCTTCTACCACCGCGCTGCCGCTGGCCGGCCTGAGTGGCCCGCTCCGAGC
CATGCAGGGCTACCGGTGTCCGAGCGGCTGCGGCAGGATGCAGCCGCCCTGAGTGTGCTGCCCGCGTGT
TGGATGCCGTCCGCCGCCAGGCGGAGCTGAACCCGCGCGCCCGCGCCTGCTGCGGAGCCTGGAGGA
CGCAGCCCGCCAGGTTCCGGCCCTGGGCGCCGCGTGGAGACAGTGTGGCCGCGCTGGGCGCTGCAGCC
CGCGGGCCCGGGCCAGAGCCCGTACCCTGCCACCCCTTTCACGGCCAACAGCACTGCAGGCATCTTCT
CAGCCAAGGTGCTGGGGTCCACGTGTGCGGCCCTATGGCGAGTGGGTGAGCCGCACAGAGGGCGACCT
GGGCCAGCTGGTCCAGGGGGCGTCGCC**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001301282
Insert Size: 591 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).



[View online »](#)

OTI Annotation:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
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:	<ol style="list-style-type: none">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:	<u>NM_001301282.1</u> , <u>NP_001288211.1</u>
RefSeq Size:	1403 bp
RefSeq ORF:	591 bp
Locus ID:	13019
Cytogenetics:	7 F3
Gene Summary:	<p>Induces cardiac myocyte hypertrophy in vitro. Binds to and activates the ILST/gp130 receptor. [UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (2) uses an alternate exon in the 5' UTR and coding region. These differences result in the use of an alternate start codon compared to variant 1. The encoded isoform (2) is shorter and has a distinct N-terminus compared to isoform 1.</p> <p>Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>