

Product datasheet for **RC235417**

MT1F (NM_001301272) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: MT1F (NM_001301272) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: MT1F
Synonyms: MT1
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RC235417 representing NM_001301272
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGGACCCCAACTGCTCCTGCGCCGCTGGTGTCTCCTGCACCTGCGCTGGTTCCTGCAAGTGCAAAGAGT
GCAAATGCACCTCCTGCAAGAAGAGTGAGTGTGAGGCCATCTCCATGGTCTGGGGCTGTGGC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC235417 representing NM_001301272
Red=Cloning site Green=Tags(s)

MDPNCSAAGVSCTCAGSCKCKECKTSCKKSECEAISMVWGCG

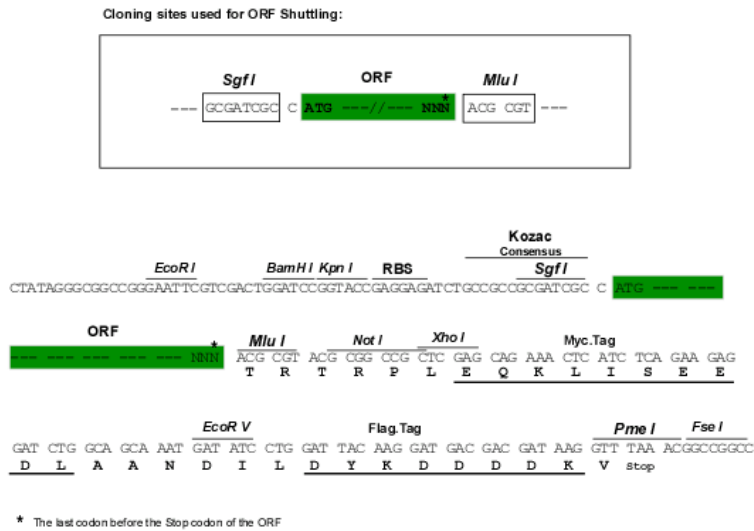
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

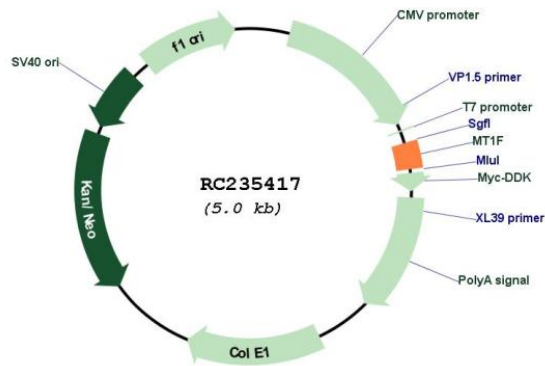


[View online »](#)

Cloning Scheme:



Plasmid Map:



ACCN: NM_001301272

ORF Size: 132 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:	<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:	NM_001301272.1 , NP_001288201.1
RefSeq Size:	498 bp
RefSeq ORF:	135 bp
Locus ID:	4494
UniProt ID:	P04733
Cytogenetics:	16q13
MW:	5 kDa
Gene Summary:	Metallothioneins have a high content of cysteine residues that bind various heavy metals; these proteins are transcriptionally regulated by both heavy metals and glucocorticoids. [UniProtKB/Swiss-Prot Function]