

Product datasheet for **RC235430**

MT1G (NM_001301267) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: MT1G (NM_001301267) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: MT1G
Synonyms: MT1; MT1K
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RC235430 representing NM_001301267
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGACCCCAACTGCTCCTGTGCCGCTGCAGGTGTCTCCTGCACCTGCGCCAGCTCCTGCAAGTGCAAAG
AGTGCAAATGCACCTCCTGCAAGAAGAGCTGCTGCTCCTGCTGCCCTGTGGGCTGTGCCAAGTGCCCA
GGGCTGCATCTGCAAAGGGGCATCGGAGAAGTGCAGCTGCTGCGCC

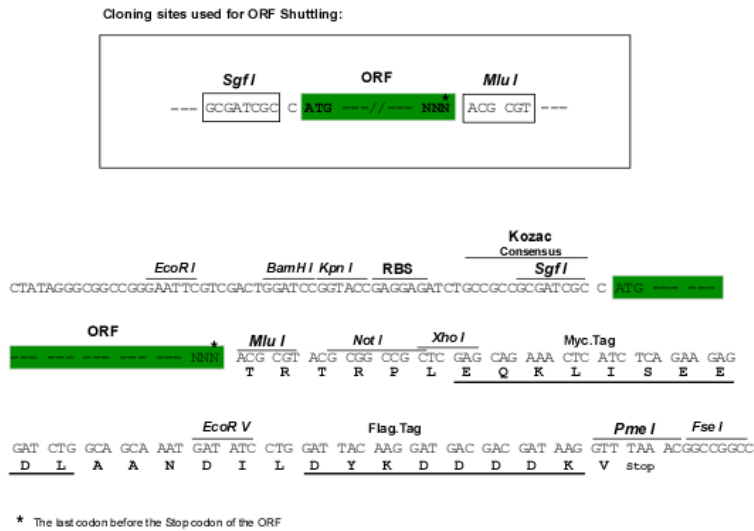
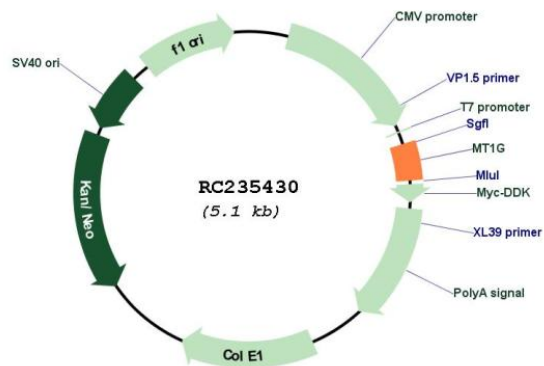
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC235430 representing NM_001301267
Red=Cloning site Green=Tags(s)
MDPNCSCAAAGV SCTCASSCKCKECKT SCKKSCCSCPVGCAKCAQGCICKGASEKSCCA
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI



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Cloning Scheme:

Plasmid Map:


ACCN: NM_001301267
 ORF Size: 186 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_001301267.2
RefSeq Size:	423 bp
RefSeq ORF:	189 bp
Locus ID:	4495
UniProt ID:	P13640
Cytogenetics:	16q13
Protein Families:	Stem cell - Pluripotency
MW:	6.6 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]