

## **Product datasheet for VC101758**

## M2 (NC\_004148) Virus Tagged ORF Clone

**Product data:** 

**Product Type:** Expression Plasmids

Product Name: M2 (NC\_004148) Virus Tagged ORF Clone

Tag: Myc-DDK

Symbol: M2

Mammalian Cell Neomycin

Selection:

Sequence:

**Vector:** pCMV6-Entry (PS100001)

E. coli Selection: Kanamycin (25 ug/mL)

ORF Nucleotide

>The Viral ORF clone VC101758 represents NCBI reference of YP\_012610 with codon

optimized for human cell expression

Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC

GCCGCGATCGCC

TCC

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT

ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >VC101758 representing YP\_012610

Red=Cloning sites Green=Tags

MTLHMPCKTVKALIKCSEHGPVFITIEVDEMIWTQKELKEALSDGIVKSHTNIYNCYLENIEIIYVKAYL

S

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** Sgfl-Mlul



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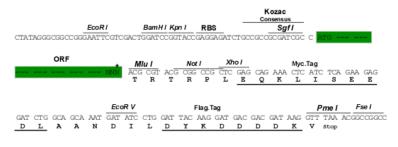
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## **Cloning Scheme:**





<sup>\*</sup> The last codon before the Stop codon of the ORF

**ACCN:** NC\_004148

ORF Size: 213 bp

**OTI Disclaimer:** The molecular sequence of this clone can be viewed by clicking the "ORF Nucleotide"

Sequence" link above. This sequence represents the NCBI reference after codon optimization for human cell expression, and retaining the same decoded protein sequence. The stop codon in the native sequence was removed to create the in-frame c-terminal fusion with a

Myc-DDK 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:** 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:** NC 004148.2, YP 012610

 RefSeq ORF:
 213 bp

 Locus ID:
 2799940

 MW:
 8.2 kDa