

Product datasheet for VC102424

M2 (NC_007363) Virus Tagged ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: M2 (NC_007363) Virus Tagged ORF Clone

Tag: Myc-DDK

Symbol: M2

Mammalian Cell Neomycin

Selection:

Vector:pCMV6-Entry (PS100001)E. coli Selection:Kanamycin (25 ug/mL)

ORF Nucleotide >The Viral ORF clone VC102424 represents NCBI reference of YP_308670 with codon

Sequence: optimized for human cell expression
Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC

GCCGCGATCGCC

ATGTCACTCCTCACAGAGGTAGAAACACCGACTAAAAACGAATGGGAGTGTAAGTGTTCTGACTCCAGCG ACCCTTTGGTGGTGGCGGCATCAATTATCGGAATCCTGCATCTGATATTGTGGATTCTGGACCGGCTCTT CTTCAAATGCATCTATAGGAGGCTTAAGTATGGTCTGAAAAAGAGGGCCATCAACTGAGGGCGTCCCTGAG AGCATGCGAGAGGAATATAGACAGGAGCAACAGTCAGCTGTCGATGTAGATGACGGCCACTTTGTCAACA

TTGAGCTGGAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT

ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >VC102424 representing YP_308670

Red=Cloning sites Green=Tags

MSLLTEVETPTKNEWECKCSDSSDPLVVAASIIGILHLILWILDRLFFKCIYRRLKYGLKRGPSTEGVPE

SMREEYRQEQQSAVDVDDGHFVNIELE

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/ja2511_d06.zip

Restriction Sites: Sgfl-Mlul



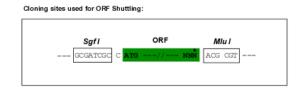
OriGene Technologies, Inc. 9620 Medical Center Drive, Ste 200

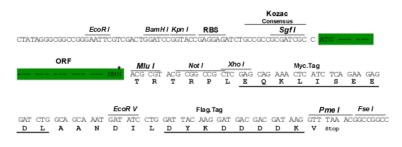
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Cloning Scheme:





The last codon before the Stop codon of the ORF

ACCN: NC 007363

ORF Size: 291 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts

of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by

calling 301.340.3188 option 3 for pricing and delivery.

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.

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.

NC 007363.1, YP 308670 RefSeq:

Components:



 RefSeq ORF:
 291 bp

 Locus ID:
 3654621

 MW:
 11.2 kDa