

Product datasheet for VC102497

CM2 (NC 006312) Virus Tagged ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: CM2 (NC_006312) Virus Tagged ORF Clone

Tag: Myc-DDK

Symbol: CM2

Mammalian Cell Neomycin

Selection:

ORF Nucleotide

pCMV6-Entry (PS100001) Vector:

E. coli Selection: Kanamycin (25 ug/mL) >The Viral ORF clone VC102497 represents NCBI reference of YP_089658 with codon

optimized for human cell expression Sequence:

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

GACGTTGTATACGACTCCTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC

GCCGCGATCGCC

CCTGCAACCTGAAGACCTGCCTCAAGCTGTTCAACAACACCGACGCCGTGACCGTGCACTGCTTCAACGA GAACCAGGGCTACATGCTGACCCTGGCCAGCCTCGGCCTGGGCATCATCACCATGCTCTACCTGCTCGTC AAGATCATCGAGCTGGTGAACGGCTTCGTGCTGGGCCGGTGGGAGCGGTGGTGCGGCGACATCAAGA CCACCATCATGCCCGAGATCGACTCCATGGAAAAGGACATCGCCCTGTCCCGGGAGCGGCTGGACCTGGG CGAGGACGCTCCCGACGAGACCGACAACAGCCCCATCCCCTTCTCCAATGACGGGATTTTTGAGATT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT

ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >VC102497 representing YP_089658

Red=Cloning sites Green=Tags

MGRMAMKWLVVIICFSITSQPASACNLKTCLKLFNNTDAVTVHCFNENQGYMLTLASLGLGIITMLYLLV KIIIELVNGFVLGRWERWCGDIKTTIMPEIDSMEKDIALSRERLDLGEDAPDETDNSPIPFSNDGIFEI

TRTRRLEQKLISEEDLAANDILDYKDDDDK**V**

Chromatograms: https://cdn.origene.com/chromatograms/ja2520_e02.zip

Restriction Sites: Sgfl-Mlul



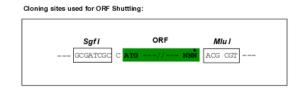
OriGene Technologies, Inc. 9620 Medical Center Drive, Ste 200

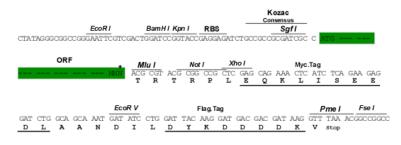
CN: techsupport@origene.cn

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Cloning Scheme:





^{*} The last codon before the Stop codon of the ORF

ACCN: NC_006312

ORF Size: 417 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.

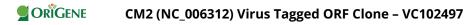
Components:

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 006312.1, YP 089658



 RefSeq ORF:
 417 bp

 Locus ID:
 3077362

 MW:
 15.6 kDa