

## 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 Selection:** Neomycin  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**ORF Nucleotide Sequence:** >The Viral ORF clone VC102497 represents NCBI reference of YP\_089658 with codon optimized for human cell expression  
Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCCCGATCGCC

ATGGGCCGGATGGCCATGAAGTGGCTGGTGGTATTATCTGTTTCAGCATCACCAGCCAGCCCGCCAGCG  
 CCTGCAACCTGAAGACCTGCCTCAAGCTGTTCAACAACACCGACGCCGTGACCGTGCCTTCAACGA  
 GAACCAGGGCTACATGCTGACCCGGCCAGCCTCGGCCGTCGGCCATCATCACCATGCTCTACCTGCTCGTC  
 AAGATCATCATCGAGCTGGTGAACGGCTTCGTGCTGGCCGGTGGGAGCGGTGGTGGCGGACATCAAGA  
 CCACCATCATGCCGAGATCGACTCCATGGAAAAGGACATCGCCCTGTCCCGGGAGCGGCTGGACCTGGG  
 CGAGGACGCTCCCAGCAGACCGACAACAGCCCCATCCCCTTCTCCAATGACGGATTTTTGAGATT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >VC102497 representing YP\_089658  
Red=Cloning sites Green=Tags

MGRMAMKWLVIIICFSITSQPASACNLKTKLKFNNNTDAVTVHCFNENQGYMLTLASLGLGIITMLYLLV  
 KIIIELVNGFVLGRWERWCGDIKTTIMPEIDSMEKDIALSRERLDLGEDAPDETNSPIPFNDGIFEI

TRRRLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:** [https://cdn.origene.com/chromatograms/ja2520\\_e02.zip](https://cdn.origene.com/chromatograms/ja2520_e02.zip)

**Restriction Sites:** SgfI-MluI



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**Cloning Scheme:**


**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](mailto: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