

## Product datasheet for VC100696

### 2A (NC\_014336) Virus Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** 2A (NC\_014336) Virus Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** 2A  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**ORF Nucleotide Sequence:** >The Viral ORF clone VC100696 represents NCBI reference of YP\_003795179 with codon optimized for human cell expression  
 Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGGGATTCGGCCACCAGAACAAGGCTATCTACGTCGCCGGATACAAGATTTGCAACTATCACCTGGCCA  
 CACAGGAGGACATGGAACATGCCGTCGCAGTGATGTGGGACCGGGATCTGATGGTCGCTGAAAGTAGGGC  
 ACAAGGCATAGATACCATCGCGCGCTGCAGTTGCAAGTGTGGCGTCTATTATTGCGAGTCTATGCGCAAG  
 TACTACCCTGTGAGCGTTGAAGGACCTACCTCCGATATATGGACGCAAATGAATATTACCCTGCGAGAT  
 ACCAGAGCCACATGCTGATAGGAGCCGGTTTGCCATGCCTGGCGACTGTGGCGGCATCCTCCGCTGCAC  
 CCACGGTGTGATGGCCTGATCACTGCCGTTGGCGAGGGGTGGTCGCCTTTGCGGACGTCGAGACCTC  
 TTGCTTATGAAGAAGAGGCAATGGAACAG

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >VC100696 representing YP\_003795179  
 Red=Cloning sites Green=Tags

MGFGHQNKAIYVAGYKICNYHLATQEDMEHAVVMWDRDLMVAESRAQGIDTIARCSCKCGVYCYCESMRK  
 YYPVSVEGPTFRYMDANEYYPARYQSHMLIGAGFAMPGDCGGILRCHTGMGLITAGGEGVVAFAVDRDL  
 FAYEEEEAMEQ

**TRTRRLEQKLI**SEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI



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**Cloning Scheme:**


**ACCN:** NC\_014336

**ORF Size:** 450 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\\_014336.1](#), [YP\\_003795179](#)

**RefSeq ORF:** 450 bp

**MW:** 16.7 kDa