

## Product datasheet for VC100720

### 2A (NC\_001612) Virus Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** 2A (NC\_001612) 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 VC100720 represents NCBI reference of NP\_740530 with codon optimized for human cell expression  
 Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGGGCAAGTTCGGGCAGCAGTCCGGAGCAATCTATGTGGGAACTACAGAGTAGTGAACCGACATCTGG  
 CTACACATAATGACTGGGCAATCTTGTGGGAGGACTCATCACGGGACCTTCTGGTAAGTAGCACCCAC  
 CGCCAGGGGTGTGACACCATTGCAAGGTGTGATTGTGACAGAGGAGTCTATTACTGTTCTCAAGGGCG  
 AAACATTACCCCGTGTCTTTTTCCAACCATCTGATCTTCGTGGAGGCATCCGAATACTATCCTGCC  
 GCTATCAGTCTCACCTCATGCTCGCCGTGGGACACTCCGAACCTGGGACTGTGGCGGGATCCTGCGATG  
 TCAGCACGGAGTCGTGGCATTGTGTAACCGCGGCAACGGCCTCGTGGGCTTTGCTGACGTACGGGAT  
 CTGCTCTGGCTTGATGAAGAGGCCATGGAACAG

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >VC100720 representing NP\_740530  
 Red=Cloning sites Green=Tags

MGKFGQQSGAIYVGNRYRVRHLATHNDWANLVWEDSSRDLLVSSTTAQGC DTIARCDQC TG VVYCSSRR  
 KHYPVFSKPSLIFVEASEYYPARYQSHLMLAVGHSEPGDCGILRCQHGVVGVIVSTGGNGLVGFADVRD  
 LLWLDEEAMEQ

**TR**TRRLEQKLI SEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI



**Cloning Scheme:**


**ACCN:** NC\_001612

**ORF Size:** 453 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\\_001612.1](#), [NP\\_740530](#)

**RefSeq ORF:** 453 bp

**MW:** 16.7 kDa