

## Product datasheet for **VC100744**

### 2A protein (NC\_001428) Virus Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	2A protein (NC_001428) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	2A protein
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>The Viral ORF clone VC100744 represents NCBI reference of NP_740587 with codon optimized for human cell expression Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGGCTTTGGTCACCAAAATAAGCCGTATATGTCGCTGGGTATAAAATCTGCAATTACCACCTTGCTA  
CACCTCTGACCACCTCAATGCTATATCCGTGCTCTGGGATCGCGATCTGATGGTCGTTGAGTCAAGGGC  
ACAAGGCACTGATACCATAGCCAGGTGCAGTGCAGGTGCGGAGTCTACTATTGCGAGTCACGGAGGAAA  
TACTATCTGGTGACTTTACCCGACCAACATTTAGGTTTATGGAGGCCAACGATTATTACCCGACGCT  
ACCAATCCCATATGTTGATTGGGTGTGGGTTTCGCGGAACCTGGTATTGCGGGGGGATTCTGAGGTGCAC  
ACACGGTGTGATCGGCATTATCACAGCTGGGGCGAAGGTATCGTGGCCTTTGCTGATATCAGGGATTTG  
TGGGTATACGAAGAGGAGGCGATGGAGCAG

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:	>VC100744 representing NP_740587 Red=Cloning sites Green=Tags
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MGFGHQNKAVYVAGYKICNYHLATPSDHLNAISVLWDRDLMVVSRAQGTDTIARCSRCGVVYCESRRK  
YYLVFTTGPTFRFMEANDYYPARYQSHMLIGCGFAEPGDCGGILRCHTHGVIGIITAGGEGIVAFADIRDL  
WVYEEEAAMEQ

**TR**TRRLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:	Sgfl-MluI
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**Cloning Scheme:**

**ACCN:** NC\_001428

**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\\_001428.1](#), [NP\\_740587](#)
**RefSeq ORF:** 450 bp

**MW:** 16.8 kDa