

## Product datasheet for **VC102336**

### putative cytosine DNA methyltransferase (NC\_003494) Virus Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	putative cytosine DNA methyltransferase (NC_003494) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	putative cytosine DNA methyltransferase
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>The Viral ORF clone VC102336 represents NCBI reference of NP_612268 with codon optimized for human cell expression Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGC**C

ATGAGAGTGCTGGAAGTGTCTCCGGAACAGGGAGCGTGGGAGCGGTGGCTAGGCAAAGGCGCTGGACTG  
TCGTGTCTCTGGACATCTGCGGAAGCCCGGACATCAAGCAGGACATCCTGACCTGGGACTACGCTGCAGC  
ATACCCACCTGGTTACTTCGATATCGTGTGGGCCAGCTCCCTTGC GAAACCTTCTCAGCGACCCGAGCAG  
TCAAATATTGGAAGACCTCCGCCGACATGGAGGCCCATATGGACGAGGGAGTTGATGCAGCAGGATA  
TGCTGCAGATAGGGGTACCGCTTCTGAGGAGGGCCGAGGAGATCATTGACTACTTCAAACCAACCGCTTA  
TTTCATGGAGAACCCCGCAACCGGGAGGGCGAAAGATTACGTATCCCCGATCGGCCATGTACATTTTC  
GATTATTGTCACTACGCCCCAGAGTGGGGTACCGGAAGAGGACTGCAGTGTGGACTAATGTGACCGTAC  
TCACTCTCTCTGTGTTCCGGCCCTGAAAAGTGCAGTCAATGAAATATTTTCGATGACACAAAGAGGTG  
GGGCCACGTCATGACAACAGACGGAGGGCGCGTGGTCCGAAAGGAACTACCCGCCGCGCAGCGGTATCGA  
GTGCCCCCGCACTGATAAGCTATCTCTCGACTGCGTCCAAAAAACTTGC

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



[View online »](#)

**Protein Sequence:** >VC102336 representing NP\_612268  
 Red=Cloning sites Green=Tags

MRVLELFSGTGSVGAVARQRRTVVSLDICGSPDIKQDILTWDYAAAYPPGYFDIVWASFPCETFSA  
 TRR  
 SNIGRPSARHGGAIWTRQLMQDMLQIGVPLLRRAEEIIDYFKPTAYFMENPATGRAKDYVSPDRPMYIF  
 DYCYAPEWGYRKRRTAVWNTVTLTPLLCSGPGKCGAMKYFDDTKRWGHVMTTDDGRAGRKGTTRRQYR  
 VPPALISYLFDCVQKTC

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NC\_003494

**ORF Size:** 681 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\_003494.1, NP\_612268  
RefSeq ORF: 681 bp  
Locus ID: 935373  
MW: 25.9 kDa