

## Product datasheet for **VC100009**

### **pIIIa (AC\_000017) Virus Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	pIIIa (AC_000017) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	pIIIa
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>The Viral ORF clone VC100009 represents NCBI reference of AP\_000506 with codon optimized for human cell expression  
 Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGATGCAGGATGCTACAGACCCAGCGGTTTCGAGCCGCTTTCAGTCTCAGCCAAGTGGCCTTAATAGCA  
 CTGATGACTGGAGGCAGGTTATGGATAGGATCATGTCTCTCACCAGCAAGAAACCCAGACGCCCTTCAGACA  
 GCAGCCCCAAGCAAATAGACTGAGTGGCATCTGGAGGCTGTGGTCCCTGCGAGGGCCAATCCTACACAT  
 GAGAAAGTGTGGCCATTGTCAATGCCCTGGCGGAGAATCGGGCCATTGCCCCGATGAGGCCGGCCTGG  
 TATACGATGCCCTTTTGAACGGGTGGCTCGGTATAATTCTGGCAACGTGCAGACTAACCTGGACAGACT  
 GGTGGGGACGTGAGAGAAGCAGTTGCTCAGCGAGAACGGGCTCAGCAACAGGGCAATCTGGGAAGCATG  
 GTAGCTCTCAACGCTTTTCTGAGCACCCAGCCTGCAAACGTCCCGCGGGGCAAGAGGACTACACAACT  
 TTGTCTCCGCCCTGAGACTGATGGTCACCGAAACACCTCAGTCAGAGGTCTATCAGTCCGGTCCCGACTA  
 TTTTTCCAGACATCCAGGCAGGGCCTCCAGACCGTGAATCTGTCTCAGGCATTTAAGAATCTCCAGGGT  
 CTGTGGGGTGTAGGGCGCCGACTGGTGTATCGGGCCACGGTCTCCTCTCTGTTGACCCCCAACAGCAGGC  
 TGCTGTTCTGTTGATCGCGCCATTCACTGACTCCGGATCCGTTTCCAGGGATACGTATCTCGGCCACCT  
 GCTTACGCTTTACAGGGAAGCTATTGGCCAAGCGCATGTGACGCAACATACATCCAGGAGATAACCTCT  
 GTGTCCAGGGCTCTGGCCAGGAGGACACAGGGAGTCTGGAAGCCACTTTGAACTATCTGCTTACCAACC  
 GGCGGCAGAAAATCCCTCTCTCCATCCCTCACTCAGAAGAGGAAAGGATCCTGAGGTATGTTACGCA  
 GAGCGTTTCTCTGAACCTGATGAGGGATGGCGTGACCCCAAGTGTGGCCCTTGACATGACAGCCAGGAAC  
 ATGGAACCTGGAATGTATGCGTCCAACAGACCCTTTATTAATCGCCTGATGGATTATCTGCACCCGCTG  
 CCGCAGTGAACCCGAATACTTCACTAATGCCATCCTGAACCCACTGGCTTCCGCCACCCGATTTTA  
 CACTGGCGGATTGGAAGTCCAGAAAGGCAACGACGGCTTCTGTGGGATGATATCGACGATAGTGTATTT  
 TCCCTCAGCCACAGACTTCTTGTAGCTGCAGCAGAGAGAACAAGCCGAGCCGCTGCGGAAGGAAA  
 GTTTTCGAAGGCCATCCAGTCTCTCCGATTTGGGCGGGCTGCACCTCGGTCCGATGCAAGCTCTCCATT  
 TCCTAGCCTCATCGATCCCTGACATCCACAAGGACCACCAGGCCAAGACTGTTGGGAGAGGAAGAATAC  
 CTGAATAACAGCCTGCTCAGCCACAGCGAGAAAAAACCTGCCTCCCGCTTTCCCAACAATGGCATTG  
 AGTCTCTCGTGGATAAAATGAGTAGATGGAAGACTTACGCACAGGAGCACCGCATGTCCCTGGCCCCAG  
 GCCGCCGACTCGGAGGCAGAGACATGACAGGCAACGGGGACTGGTATGGGAGGACGATGATTCAGCCGAT  
 GACAGCAGCGTCTGGACCTGGGTGGCTCCGGCAATCCGTTGACACCTTCGGCCCCGGTGGGGCGCA  
 TGTTT

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>VC100009 representing AP\_000506  
 Red=Cloning sites Green=Tags

MMQDATPAVRAALQSQPSGLNSTDDWRQVMDRIMSLTARNPDAFRQQPQANRLSAILEAVVPARANPTH  
 EKVLAIVNALAEINRAIRPDEAGLVYDALLQRVARYNSGNVQTNLDRLVGDVREAVAQRERAQQQGNLGS  
 VALNAFLSTQPANVPRGQEDYTNFVSALRLMVTETPQSEVYQSGPDYFFQTSRQGLQTVNLSQAFKNLQ  
 LWGVRAPTGDRAVSSLLTPNSRLLLL IAPFTDSGSVSRDYLGHLLTLYREAIGQAHVDEHTFQEITS  
 VSRALGQEDTGSLEATLNYLLTNRQKIPSLHSLNSEEERILRYVQSVSLNLMRDGVTSPVALDMTARN  
 MEPGMYASNRPFINRLMDYLRHAAAVNPEYFTNAILNPHWLPFGFYTGGEVPEGNDDGLWDDIDDSVF  
 SPQPQTLLLELQREQAEALRKESFRRPSSLSDLGAAAPRSDASSPFPISLIGSLTSTRTRRPRLLGEEY  
 LNNSLLQPQREKNLPPAFPNNGIESLVDKMSRWKTYAQEHRDVPGRPPTRRQRHQRGLVWEDDSDAD  
 DSSVLDLGGSGNPF AHLRPRLLGRMF

**TR**TRRLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

Sgfl-MluI

Cloning Scheme:



ACCN: AC\_000017

ORF Size: 1755 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: [AC\\_000017.1](#), [AP\\_000506](#)

RefSeq ORF: 1755 bp

MW: 65.3 kDa