

## Product datasheet for **VC100186**

### III (AC\_000018) Virus Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	III (AC_000018) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	III
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 VC100186 represents NCBI reference of AP\_000543 with codon optimized for human cell expression  
 Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGC**C

ATGCGAAGACGCGCGGTCTGGGAGGCGCGGTGGTCTACCCAGAAGGCCCTCCCCATCCTATGAATCCG  
 TGATGCAACAGCAGGCAGCCATGATACAGCCGCCTCTGGAAGTCCCATTCGTTCCCCCGGTACTTGGC  
 ACCTACAGAAGGAAGAACTCCATTAGATACAGCGAACTCTCCCTGTATGACACAACAAAAGTAC  
 TTGGTTGATAACAAGAGTGCTGATATCGCCAGCCTTAATTACCAGAATGACCACTCTAATTTCTGACCA  
 CTGTGCTTCAGAATAATGACTTCACTCCACTGAGGCCAGTACGCAGACCATAAATTTTGACGAGAGGTC  
 CCGCTGGGGGGACACCTGAAGACTATCATGCACACAAATATGCCAATGTCAATGAGTATATGTTCTCT  
 AATAAGTTCAAGGCGGAGTTATGGTATCACGGAAGGCACCTGAAGGAGTACTGTTAATGATACATACG  
 ATCATAAAGAAGATATCCTGAAGTACGAGTGGTTCGAGTTCATCCTGCCGAGGGCAACTCTCCGCAAC  
 AATGACGATAGATCTGATGAATAACCGCATCATCGATAACTATCTGGAGATTGGTCGGCAGAACGGCGTC  
 CTGGAGAGCGATATTGGAGTCAAATTCGATACCCGGAATTTGAGACTGGGATGGGACCCAGAGACTAAGC  
 TGATAATGCCGGGAGTTTATACCTATGAGGCCTTCCACCCGACATTGTGCTTCTGCCGGCTGCCGAGT  
 TGATTTACCGAATCACGCCTGTCAAATTTGCTCGGATTCGGAAGCGCCATCCTTTTTCAGGAGGGCTTC  
 AAGATAATGTACGAAGATTTGGAAGGCGGCAACATCCCTGCCCTTCTGGACGTCCTGCCTATGAAGAGA  
 GTAAGAAGGACACCACAACCGAGACCACAACACTGGCCGTTGCCGAGGAGACCAGCGAAGACGACAATAT  
 AACTAGGGGTGATACATACATAACAGAGAAGCACAAAAGGGAGGCTGCTGCAGCCGAGGTCAAAAAGAG  
 CTGAAGATCCAGCCCCTTGAGAAAAGATTCTAAGAGCCCGAGCTATAATGTGTTGGAGGATAAGATCAACA  
 CTGCTTACAGGAGCTGGTACCTCTCTATAATTACGGAACCCCAAGAAGGCATAAGATCTTGGACTCT  
 CCTGACCACTAGCGACGTGACTTGTGGCGGGAGCAGGTGACTGGTCACTCCCAGACATGATGCAGGAC  
 CCTGTTACTTTTTCAGATCCACCCGCGAGTGAATAATTATCCAGTCGTTGGCGCCGAGCTGATGCCAGTCT  
 TTAGCAAGAGTTTTTATAATGAGCAGGCTGTGTACTCTCAGCAGTTGCCGAGGCTACTAGTCTCACTCA  
 CGTGTTTAATAGGTTTCCAGAGAACCAGATCCTCATTAGGCCACCCGACCAACCATTACCACTGTCAGC  
 GAGAACGTCACGATTGACCGACCACGGAACCCCTCCCCTTCGGTCATCAATTCGAGGAGTGCAAAGAG  
 TTACAGTGACCGATGCTAGGCGGGGACTTGCCTTATGTATACAAGCACTGGGCATAGTGGCCCCCGG  
 GTGCTGTCCAGCAGGACTTTC

**ACGCGT**ACGCGGCGGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>VC100186 representing AP\_000543  
 Red=Cloning sites Green=Tags

MRRRAVLGGAVVYPEGPPPSYESVMQQQAAMIQPPLEVPFVPPRYLAPTEGRNSIRYSELSPLYDITTKLY  
 LVDNKSADIASLNYQNDHSNFLTIVVQNNDFTPTEASTQTINFDERSRWGGHLKTIIMHTNMPNVNEYMFS  
 NKFKARVMVSRKAPEGVTVNDTYDHKEDILKYEFWFILPEGNFSATMTIDL MNNAIIDNYLEIGRQNGV  
 LESDIGVKFDTRNFRLLGWDPETKLIMPVYTYEAFHPDIVLLPGCGVDFTESRLSNLLGIRKRHPFQEGF  
 KIMYEDLEGGNIPALLDVTAYEESKDDTTTETTLAVAETSEDDNITRGDTYITEKHKREAAAEEVKKE  
 LKIQPLEKDSKRSYNVLEDKINTAYRSWYLSYNYGNPKKGIRSWTLLTSDVTCGAEQVYWSLPDMMQD  
 PVTFRSTRQVNNYPVVGAEMLPVFSKSFYNEQAVYSQQLRQATSLTHVFNRFPENQILIRPPAPTITTVS  
 ENVPALTDHGTLPLRSSIRGVQRVTVTDARRRTPYVYKALGIVAPRVLSSRTF

**TR**TRRLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



\* The last codon before the Stop codon of the ORF

**ACCN:** AC\_000018

**ORF Size:** 1632 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\\_000018.1](#), [AP\\_000543](#)

**RefSeq ORF:** 1632 bp

**MW:** 61.9 kDa