

## Product datasheet for **VC100082**

### III (AC\_000019) Virus Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	III (AC_000019) 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 VC100082 represents NCBI reference of AP\_000580 with codon optimized for human cell expression

Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGCATCGCC**

ATGCGCCGGGTGGTGTCTGGGAGGAGCTGTGGTTTACCCCGAGGGCCCTCCGCCTAGCTACGAGTCAGTCA  
TGCAGCAGCAACAAGCCACCGCAGTGATGCAATCTCCGCTGGAGGCTCCGTTTGTACCCCCCGCTACCT  
CGCCCCTACCGAAGGCAGAAATAGCATTGATACTCCGAACTGCCCGCAGTACGACACAAGTACTGACTC  
TACCTTGTAGACAATAAAGCGCCGACATCGCGAGCCTGAACTACCAGAATGACCATTCAAATCTCTGA  
CAACTGTGGTCCAGAACAACGACTTCACACCCACTGAGGCATCTACTCAGACTATCAATTTTGTGAAAG  
GTCTAGGTGGGGTGGCCAGCTGAAGACCATTATGCACACCAACATGCCAACGTCAATGAGTATATGTTT  
AGCAATAAATTTAAAGCCCGAGTAATGGTCTCAAGAAAGCCCCCTGATGGAGCTGCTGTAGGTGACTT  
ACGATCACAACAGGACATCCTGGAATACGAATGGTTCGAGTTACCTTGCTGAGGGTAACTTTTCACT  
GACGATGACTATTGACCTGATGAATAACGCCATTATTGATAATTACCTTAAGGTGGTCCGACAGACGGT  
GTGCTGGAGTCCGACATTGGTGTGAAGTTTGACTCGCAATTTCAAGCTGGGCTGGGATCCCGAGACTA  
AACTGATAATGCCAGGTGTTTACTTATGAGGCCTTTCACCCAGATATCGTCTCCTGCCTGGATGTGG  
CGTGGACTTCACCGAAAGCCGACTGAGCAACCTTCTGGGAATAAGGAAAAAAGCAGCCCTTCAGGAAGGG  
TTCAAGATACTGTATGAGGATCTGGAAGGCGGAAACATCCCCGCACTGTTGGACGTTGATGCATATGAGA  
ACAGCAAGAAGGAACAAAAAGCCAAAATGAGGCTGCAACAGCTGCTGCTGAAGCCAAGGCGAACATCGT  
GGCATCAGACTCTACAAGGTGGCAACGCTGGCGAGGTGCGAGGAGACAACCTTGCCTCCAGCCCGTGA  
CCAACCGCGGAGAGTCTCCTCGCAGATGTGAGTGAGGGGACAGATGTGAAGCTTACCATCCAGCCCGTGG  
AGAAAGACTCAAAAAATAGAAGCTACAACGTCCTGGAGGATAAGATTAATACCGCTACAGATCATGGTA  
CCTTAGCTATAATTACGGAGATCCAGAGAAGGGCGTCAGGTCCTGGACACTCCTGACAACCTCCGATGTG  
ACATGCGGAGCGAACAGGTATACTGGTCAATGCCTGACATGATGAAAGACCCAGTTACATTTAGGTCAA  
CAAGACAAGTGTCCAATATCCAGTGGTCCGCGCCGAACATGCCAGTGTTTAGTAAGAGCTTCTATAA  
CGAACAGGCTGTGACTCTCAGCAGCTCAGACAGTCAACCTCTCTGACCCAGTGTTCATCGCTTTCCA  
GAAAACAGATCCTCATAGGCCTCCAGCTCCAACAATTACAACAGTGAGTGAGAATGTACCCGCTTGA  
CGGATCATGGAACACTCCACTCCGGTCATCCATACGGGGAGTCCAGAGGTTACGGTGACAGATGCCAG  
ACGACGCACCTGCCATATGTGTATAAAGCCCTTGGTATCGTTGCTCCTAGAGTCTGTCAAGTCGCACG  
TTC

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>VC100082 representing AP\_000580

Red=Cloning sites Green=Tags

MRRVVLGGAVVYPEGPPPSYESVMQQQATAVMQSPLEAPFVPPRYLAPTEGRNSIRYSELAPQYDTRRL  
YLVDNKSADIASLNYQNDHSNFLTIVVQNNDFTPTEASTQINFDESRWGGQLKIMHTNMPNVNEYMF  
SNKFKARVMVSRKPPDGAAGVDTYDHKQDILEYEFTEFLPEGNF SVTMTIDL MNNAIIDNLYKVGRRQNG  
VLESDIGVKFDTRNFKLGWDPETKLIMPVYTYEAFHPDIVLLPGCGVDFTESRLSNLLGIRKKQPFQEG  
FKILYEDLEGGNIPALLDVDAYENSKEQKAKIEAATAAAEAKANIVASDSTRVANAGEVRGDNFAPTPV  
PTAESLLADVSEGTDVKLTIQPVEKDSKNRSYNVLEDKINTAYRSWYLSYNYGDPEKGVRSWTLTTSDF  
TCGAEQVYWSLPDMMKDPVTFRSTRQVSNYPVVGAEMLPVFVSKSFYNEQAVYSQQLRQSTSLTHVFNRF  
ENQILIRPPAPTITTVSENVPALTDHGTLPLRSSIRGVQRTVTDARRRRCOPYVYKALGIVAPRVLSSRT  
F

**TRTRRLEQKLISEEDLAANDILDYKDDDDKV**

**Restriction Sites:**

Sgfl-MluI

## Cloning Scheme:



ACCN: AC\_000019

ORF Size: 1683 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\\_000019.1](#), [AP\\_000580](#)

RefSeq ORF: 1683 bp

MW: 62.9 kDa