

Product datasheet for **VC100410**

III (AC_000006) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	III (AC_000006) 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 VC100410 represents NCBI reference of AP_000147 with codon optimized for human cell expression
 Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGCGCCGCGCTGTTGTAGCTCCTCCCGCCACCCTCTTACGAAAGCGTCATGGCTCAGGCAACACTTG
 AGGTCCTCCCTCGTCCCTCCAAGATACATGGCTCCTACCGAAGGACGGAACCTATTAGGTAATCCGAGCT
 CGCGCCACTTTACGATACCACGCGGGTGTATCTGGTCGATAACAAGTCCGCCGATATCGCATCCCTGAAT
 TACCAGAAATGATCACAGCAATTTCTGACAACCGTGGTTCAAACAACGACTTTACCCAGCAGAGGCGT
 CAACCCAAACAATTAATTTGACGAAACGCTCCAGATGGGGGGTGTCTGAAAACCATCTGCACACAAA
 TATGCCTAATGTGAATGAGTATATGTTCCAGCAAGTCAAGGCTCGCGTGTGGTCCGAGAAAGCAT
 CCACAGGGGGTGGAGGCCACCGATCTTTCTAAGGATATCTTGAATACGAATGGTTTGGATTACATTGC
 CTGAGGGCAACTTTAGCGAGACTATGACAATAGACCTCATGAACAACGCCATCCTTGAGAACTATCTGCA
 GGTGGGTAGGCAGAAATGGAGTACTTGGAGTGCATCGCGGTTAAATTCGATAGCCGGAACCTCAAATTG
 GGCTGGGACCCTGTTACTAACTTGTCTATGCCGGGGTGTACACGTATGAAGCTTCCATCCCGATGTCCG
 TGCTTTTGCCCGGATGTGGTGTAGACTTACAGAGTCCAGATTGTCAAACCTCCTTGAATTCGCAAGAA
 ACAGCCCTTCCAGGAGGGATTTCCGATCATGTACGAGGATCTTGGAGGCGGTAATATCCCGCACTTCTG
 GATGTCCTAAGTACCTGGAGTCCAAAAAGAAATGGAGGAAGCGCTCGAAAATGCTGCCAAAGCAAATG
 GCCCGGCTCGCGCGATAGTTCTGTGAGTCGCGAAGTCAAAAAGCCGCCGAGAAAGAGCTCGTGATCGA
 GCCCATTAACAGGACGACACAAAACGCTCCTATAACCTTATTGAGGGCACCATGGATACACTGTATAGG
 TCCTGGTATTTGTCATACACTTACCGCGACCCAGAGAACGGCGTGCAGAGCTGGACCCTCCCTCACTACTC
 CAGATGTTACGTGCGGTGCCGAACAGGTGATTGGAGTCTTCTGATCTGATGCAGGATCCCGTACATT
 CAGATCTACACAACAGGTGTCCAATTACCCAGTGTGCGAGCAGAGCTCATGCCTTTTCGCGCAAGAGC
 TTTTACAACGACCTCGTGTGTACAGCCAGCTGATTCGGTCTATACATCACTGACGCACGTCTTCAATA
 GGTTTCCAGATAATCAGATCCTCTGCAGACCCCGCTCCAACAATAACAACCGTTTCAGAGAACGTTCC
 AGCACTGACGGACCATGGTACACTGCCCTCCGGTCTCTATCAGGGGAGTGCAGCGCGTACCCTCACA
 GATGCCCGCCGGCGCACCTGCCCTTACGTGTACAAGGCACTCGGCATCGTCGCTCCAGAGTCTCAGTT
 CACGCACGTTT

ACGCGTACGCGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>VC100410 representing AP_000147
 Red=Cloning sites Green=Tags

MRRAVVSSPPPSYESVMAQATLEVFPVPPRYMAPTEGRNSIRYSELAPLYDTRVYLVNKSADIASLN
 YQNDHSNFLTTVVQNNDFTPAEASTQTINFDESRWGGDLKTIILHTNMPNVNEYMFTSKFKARVMVARKH
 PQGVEATDLSKDILEYEFETLPEGNFSETMTIDLMNNAILENYLQVGRQNGVLESIDIGVKFDSRNFKL
 GWDPVTKLVMPGVYTYEAFHPDVVLLPGCGVDFTESRLSNLLGIRKKQPFQEGFRIMYEDLEGGNIPALL
 DVPKYLESKKLEEALENAAKANGPARGDSSVSREVEKAAEKELVIEPIKQDDTKRSYNLIEGTMDTLYR
 SWYLSYTYRDPENGVQSWTLLTTPDVTGAEQVYWSLPDLMQDPVTFRSTQQVSNYPVVGAEIMPFRKAS
 FYNDLAVYSQLIRSYTSLTHVFNRFDPNQILCRPPAPTITTVSENVPALTDHGTLPRLSSIRGVQRTVT
 DARRRTPYVYKALGIVAPRVLSSRTF

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:



ACCN: AC_000006

ORF Size: 1551 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_000006.1](#), [AP_000147](#)

RefSeq ORF: 1551 bp

MW: 58.5 kDa