

Product datasheet for **VC100409**

pIIIa (AC_000006) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	pIIIa (AC_000006) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	pIIIa
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>The Viral ORF clone VC100409 represents NCBI reference of AP_000146 with codon optimized for human cell expression
 Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGCAGCAGGCTCCTGATCCGGCCATCAGGGCAGCGCTCCAGAGCCAGCCTTCTGGACTGGCATCCGATG
 ACTGGGAGGCAGCGATGCAACGGATTATGGCATTGACCACTCGAAATCCTGAGAGCTTCAGGCAGCAGCC
 TCAGGCCAACCGTTGAGCGCCATTTGGAGGCCGTCGTGCCAAGTAGGACCAACCAACCCACGAGAAA
 GTACTGGCGATCGTAAATGCCCTGGCGAAAAAAGGCAATACGCCCGACGAAGCGGGCTTGTCTACA
 ACGCTCTGCTCGAGAGGGTGGCAGGTATAATCCACTAATGTGCAGTCCAACCTGGATAGATTGGTGAC
 CGATGTGCGGGAGGCCGTGGCCAGAGGGAACGGTTCAAAAATGAGGGCCTGGGAAGCCTTGTGGCATTG
 AACGCCTTCTCGCTACTCAGCCTGCCAACGTGCCCGGGGGCAAGATGACTATACAAATTCATCAGTG
 CCCTGAGACTGATGGTCACCGAGGTCCACAGTCAGAAGTTTACCAGTCCGGTCCAGACTACTTTTTCCA
 GACAAGCCGGCAGGGGCTTCAGACAGTTAACCTGAGCCAGGCATTTAAAAACCTGAGGGGTCTCTGGGGC
 GTGCAAGCTCCCGTCGGGGACAGATCCACCGTTTCATCTCTCCTGACCCCAATTCACGACTGTTGCTGC
 TGCTCATAGTCCATTCACTGATTCCGGTTCAGTGAACAGGAACAGCTACCTGGGACATCTGCTGACTTT
 GTACAGAGAGGCTATTGGACAGGCCAAGTAGATGAGCAAACCTTCCAGGAAATCACAAGCGTGAGTAGA
 GCCCTGGGTCAGAACGACACGGACAGTCTCCGAGCCACCTGAACCTTCTGCTCACCAACCGGCAGCAGA
 AGATCCCAGCCAGTATGCATTGAGTGCCGAGGAGGAAAGGATACTTAGGTATGTTACAGCAAAGCGTGGG
 GCTTTTTCTCATGCAAGAAGGGGCAACCCCTCTGCAGCCCTCGATATGACAGCTCGAAAATATGGAACCT
 AGTATGATGCTGCGAACCGCCATTTATCAACAAGCTGATGGACTACCTTCATAGAGCCGCTCTATGA
 ATTCAGATTACTTTACCAACGCCATTCTCAACCCCACTGGCTTCTCCACCAGGCTTTTACACAGGTGA
 GTACGACATGCCTGATCAAACGATGGATTTCTGTGGGATGATGTCGACTCCGCTGTTTTCTCTCCAAC
 CTCCAGAAACGGCAGGAAGCGGTCCGGACTCCAGCCAGTGAAGGCGCAGTGGGACGGTCCCCATTCCCT
 CCTTGGGAAGCCTGCACTCCCTGCCTGGCAGTGTGAATAGCGGGAGGGTCAAGCAGACCCCGCCTTCTGGG
 AGAAGATGAATATCTCAATGATTCTCTCTCCAACCTCCAAGAGTAAAGAATGCGATGGCCAACAACGGC
 ATAGAATCACTCGTTGACAAGCTGAATCGGTGGAAGACCTACGCCAGGACCATAGAGAGCCGCTCCTG
 CTCGCGGGCGCCAGCGGCAGATAGGCAACCGGACTCGTATGGGACGATGAAGACTCTGCCGATGACTC
 TAGCGTCTGACCTGGCGGGTCTGGCGCGTAATCCCATCTCAAGGATACTGCAGCCCAAGTTGGGC
 CGCCGGATGTTT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>VC100409 representing AP_000146
 Red=Cloning sites Green=Tags

MQQAPDPAIRAALQSQPSGLASDDWEAAMQRIMALTTRNPESFRQQPQANRLSAILEAVVPSRTNPHEK
 VLAIVNALAENKAIRPDEAGLVYNALLERVGRYNSTNVQSNLDRLVTDVREAVAQRERFKNEGLGSLVAL
 NAFLATQPANVPRGDDYTNFISALRLMVTEVPQSEVYQSGPDYFFQTSRQLQTVNLSQAFKNLRGLWG
 VQAPVGDSTVSSLLTPNSRLLLLLIAPFTDSGSVNRNSYLGHLLTLYREAIQQAQVDEQTFQEITSVSR
 ALGQNDTDSLRLNLLTNRQKIPAQYALSAEERILRYVQSVGLFLMQEGATPSAALDMTARNMEP
 SMYAANRPFINKLMDYLHRAASMNSDYFTNAILNPHWLPFPGFYTGEYDMPDPNDGFLWDDVDSAVFSPT
 LQKRQEAVRTPASEGAVGRSPFSLGSLHSLPGSVNSGRVSRPRLLEGEYLNDSLLQPPRVKNAMANN
 IESLVDKLNRWKTYAQDHREPAPAPRRQRHQRGLVWDEDSADDSSVLDLGGSGGVNPISRILQPKLG
 RRMF

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: AC_000006

ORF Size: 1692 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_000146](#)

RefSeq ORF: 1692 bp

MW: 62.6 kDa