

Product datasheet for **VC100188**

pIIIa (AC_000018) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	pIIIa (AC_000018) 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 VC100188 represents NCBI reference of AP_000542 with codon optimized for human cell expression
 Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGAGCAGCAGCAGGCGCTGATCCCGCCATGCGCGCAGCCCTGCAGTCTCAGCCAAGCGGCATCAACT
 CCAGTGACGACTGGACACAAGCGATGCAGCGGATTATGGCATTGACTACCCGGAATCCCGAGGCTTTTCG
 GCAGCAGCCGAGGCTAATAGACTCTCCGCCATCCTGGAAGCAGTTGTCGCCAGCCGATCTAACCCAAT
 CACGAGAAGGTTCTCGCCATCGTAAACGCCCTCGTGGAGAACAAGGCAATCAGACCGGACGAAGCAGGGT
 TGGTGTATAACGCCCTCCTGGAGCGCTGGCTCGATAACAATCCTCTAATGTCCAGACAACTTGGACCG
 GATGGTACCCGATGTGAGGGAGGCTGTCAGCCAGCGAGAGAGATTCAGAGGGGGCTAATTTGGGGAGC
 CTGGTGGCTTTGAACGCATTTTTGAGCACACAGCCTGCCAATGTGCCGCGAGGACAGCAGGACTATACCA
 ATTTTCTTAGCGCTTTAGGCTTATGGTCGCGGAAGTCCCTCAGTCAGAAGTGTATCAGAGTGGCCCTGA
 TTTTCTTTTCTCAGACTTCACGGCAGGGCCTGCAAATGTCAATCTTACACAGGCCTTAAGAATCTGAAG
 GTTTTGTGGGGCGTGCATGCGCCAGTTGGGGACCGCGCTACCGTGAGTTCTCTGCTACCCCCAACTCAA
 GACTCCTGCTCCTGCTCGTTAGCCCTTTACTGACTCTGGTTCTATCGATCGCAACTCTACCTGGGCTA
 CCTGCTGAACCTGTATAGGGAGGCTATTGGTCAATCTCAGGTCGATGAGCAAACATACCAGGAGATAACA
 CAGGTTTCCCGAGCACTGGGACAGGAAGATACCGGGTCTCTTGAAGCAACTCAATTTTCTGCTGACGA
 ACAGGTCCCAAAAAATCCGCCTCAGTATGCCTTGACCGCCGAAGAGGAGCGCATCTTGCCTACGTGCA
 GCAGTCTGTGGTCTTTTCTTATGCAAGAGGGCGCAACTCCACTGCTGCGCTTGACATGACAGCTCGC
 AACATGGAACCATCTATGTACGCAGCAATAGGCCTTTTCAATAAGCTGCTCGACTATTTGCACCGGG
 CTGCCGCAATGAACCTCCGACTACTTTACTAATGCCATTTTGAACCCGCATTGGCTCCCCCCCCGGGCTT
 CTACACTGGCGAGTACGATATGCCAGATCCCAATGACGGCTTTCTGTGGGACGACGTCGATTCAAGTATT
 TTTTCTCCACCACCAGGTTACACCGTTTGAAGAAAGAAGGAGGAGATCGACGCCACAGTAGCGTGAGCC
 TTTCTGGCACCAGGGGAGCCGCAACTGTCCAGAAGCCGCTTACCATTCCCAAGCCTTCCGTTTTTCT
 TCTGAACAGTGTCCGCTCCTCCGAGCTGGGAGAATTACACGGCCAGACTTATGGGAGAAGACGAGTAC
 TTGAACGATTCTTCTCAGACCCGAAAGAGAAAAGAACTCCCGAATAATGGAATCGAATCCCTGGTGG
 AAAAAATGAGTCGATGGAAGACTACGCACAGGATCATCGGGATGAGCCTAGAATCTGGGGGCCACCTC
 CCGCCCTACGCGGCCGCCAGAGGCATGATAGGCAGATGGGTTTGGTGTGGGACGATGAAGATTCCGCT
 GATGACAGCTCCGACTCGATTTGGGCGGACGCGGTGGAGGAAACCCGTTGCGACATCTCCGGCCTCGAT
 TTGGCCGGATGCTG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>VC100188 representing AP_000542
 Red=Cloning sites Green=Tags

MEQQQAPDPAMRAALQSQPSGINSSDDWTQAMQRIMALTTRNPEAFRQQPQANRLSAILEAVVPSRSNPT
 HEKVLAIYNALVENKAIRPDEAGLVYNALLERVARYNSSNVQTNLDRMVTDVREAVSQRERFQRGANLGS
 LVALNAFLSTQPANVPRGQDYTNFLSALRLMVAEVPQSEVYQSGPDYFFQTSRQGLQTVNLTQAFKNLK
 GLWGVHAPVGDRAVSSLLTPNSRLLLLLVSPFTDSGSDRNSYLGYLNLNLYREAIQSQVDEQTYQEIT
 QVSRALGQEDTGSLEATLNFLLTNRSQKIPPQYALTAEERILRYVQSVGLFLMQEGATPTAALDMTAR
 NMEPSMYASNRPFINKLLDYLHRAAAMNSDYFTNAILNPHWLPFPPGFYTGEDMPDPNDGFLWDDVDSI
 FSPPPGYTVWKEGGDRRHSSVSLSGTAGAAATVPEAASPFPPLFSLNSVRSSELGRITRPRLMGEDEY
 LNDSSLRPEREKNFPNNGIESLVDKMSRWKTYAQDHRDEPRILGATSRPTRRRQRHQRHQRHQRHQRHQRH
 DSSVLDLGGRRGGNPF AHLRPRFGRML

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



ACCN: AC_000018

ORF Size: 1764 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_000542](#)

RefSeq ORF: 1764 bp

MW: 65.7 kDa