

Product datasheet for **VC100081**

pIIIa (AC_000019) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	pIIIa (AC_000019) 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 VC100081 represents NCBI reference of AP_000579 with codon optimized for human cell expression

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

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGCATCGC**C

ATGGAACAGCAAGCTCCTGATCCGGCTATGCGCGCCGATTGCAGAGCCAGCCAAGCGGAATAAACTCAT
CCGACGATTGGACCCAGGCCATGCAGAGGATCATGGCCCTGACAACGAGAAACCCGGAAGCCTTCCGGCA
GCAACCTCAGGCTAATCGCCTGTCCGCGATCATGGAAGCCGTGGTGCCTAGCCGGTCTAACCCAACACAC
GAGAAGGTGTTGGCTATTGTGAATGCACTGGTAGAGAATAAGCAATCAGGCCAGACGAGGCCGGGCTCG
TGTATAACGCTTTGCTCGAGCGGTGGCGAGATAAACAGTTCCAATGTCCAGACAAATTTGGACCCGGAT
GATCACGGATGTGCGGGAAGCAGTATCTCAGCGCAACGCTTCCAGAGGGACGCGAATCTCGGATCTCTG
GTGGCCCTCAACGCTTTTCTGAGCACACAGCCTGCTAACGTCCCACGGGGACAGCAGGATTACACAACT
TCCTCAGCGCCCTCCGCCTGATGGTGTAGTGAGGTTCTCAATCCGAAGTTTACCAGTCCGGACCCGACTA
TTTCTTCAAACAGCCGCAAGGACTCCAGACGGTTAATCTTAGCCAAGCTTTCAAAAATCTTAAGGGC
CTGTGGGGGGTTCATGCCCTGTGGGGGAGAGGGCAACTGTATCTTCCCTGCTGACTCCAACTCTCGGC
TGCTTCTCCTGCTGGTGGCCCCCTTACCATTCCGGCTCTATAGATAGGAATAGTTACCTCGGATATCT
GCTGAATTTGTACCGCGAGGCTATCGGACAAAGCCAGGTGGATGAGCAGACCTACCAAGAGATAACTCAG
GTGTCCCGGGCTTTGGGGCAGGAAGATACTGGCTCACTTGAGGCAACGTTGAATTTCTGCTGACGAATA
GGTCTCAGAAAATACCGCCCAATACGCTCTGACCGCGAAGAGGAGCGAATCCTGAGGTATGTCCAGCA
GAGCGTGGGACTGTTCTGATGCAGGAAGGCGCCACTCCCACTGCCGCCCTGGATATGACAGCTCGAAAC
ATGGAACCTCAATGTACGCCTCAAACCGCCATTTCATTAACAACTGCTGGATTACCTCCATAGGGCGG
CTGCAATGAACAGTGATTACTTTACCAACGCGATTTTGAACCCACTGGTTGCCACCGCCAGGGTTTTA
TACAGGCGAGTACGACATGCCTGATCCGAATGATGGCTTCTTTGGGACGACGTGGACAGCGATGTATTC
AGTCCCCTGTCCGATCATCGAACCTGGAAGAAAGAGGGGGGCGACCGGATGCATAGCTCTGCTTCCCTGT
CAGGTGTATGGGTGCTACCGCTGCTGAGCCGAGAGTGCCTCACCTTCCCTTCACTTCCATTTAGCCT
TCACTCTGTGCGCAGCTCAGAGGTAGGCCGCATCAGTCGCCCCAGCCTGATGGGGGAGGAAGAGTATCTG
AACGATTTCTGCTCCGCCAGCCAGAGAGAAGAATTTCCCAAATACCGCATAGAATCTCTGGTGGATA
AGATGTCCGCTGGAAGACGTATGCCAAGATCATAGAGATGAGCCAGGATTATGGGTACCACATCTCG
GGCGTACGGCGGAGGCAACGCCACGATCGCCAGCGAGGCTCGTATGGGATGATGAGGATAGCGCTGAC
GACTCCAGCGTCTTCTGATCTGGGCGGCAGAGGAAGAGGCAACCCCTTCGCTCACTTGCGCCGAGACTGG
CGGTATGCTT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>VC100081 representing AP_000579

Red=Cloning sites Green=Tags

MEQQAPDPAMRAALQSQPSGINSDDWTQAMQRIMALTTRNPEAFRQQPQANRLSAIMEAVVPSRSNPTH
EKVLAIVNALVENKAIRPDEAGLVYNALLERVARYNSSNVQTNLDRMITDVREAVSQRERFQRDANLGS
VALNAFLSTQPANVPRGQDYTNFLSALRLMVSEVPQSEVYQSGPDYFFQTSRQGLQTVNLSQAFKNLKG
LWGVHAPVGERATVSSLLTPNSRLLLLLVAPFTDSGSIDRNSYLGYLNLRYEAIGQSQVDEQTYQEITQ
VSRALGQEDTGSLEATLNFLLTNRSQKIPPOYALTAEEERILRYVQSVGLFLMQEGATPTAALDMTARN
MEPSMYASNRPFINKLLDYLHRAAAMNSDYFTNAILNPHWLPFPGFYTGEYDMPDPNDGFLWDDVDSVDF
SPLSDHRTWKKEGGDRMHSSASLSGVMGATAAEPEASAPFSLPFLSHSVRSSEVGRISRPMLMGEEY
LNDLLRPAREKNFPNNGIESLVDKMSRWKTYAQDHRDEPGIMGTTSRASRRRQRHQRGLVWDEDSAD
DSSVLDLGGRRGNPF AHLRPRLLGGML

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



ACCN: AC_000019

ORF Size: 1761 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_000579

RefSeq ORF: 1761 bp

MW: 65.6 kDa