

## Product datasheet for **VC100077**

### **IVa2 (AC\_000019) Virus Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	IVa2 (AC_000019) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	IVa2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

**ORF Nucleotide Sequence:**

>The Viral ORF clone VC100077 represents NCBI reference of AP\_000575 with codon optimized for human cell expression  
 Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGAACAAAAGGCCGCCAGGCAACTGAAGTCTCCACCAACAGAATGAGTCCGAAGCGCACCCCTGGCA  
 AGAGACCATCTCGACGGACCCCTCTCCATTGCGACGGCAATAATCCTGATTCAAACACTGAAACCCCTGGA  
 AGGCCCTAATCCGGGATCCGCGGCCCGCCTTCAAGCCACACCCTGCTGCAGGAACCATCAAACCCGCA  
 AAGAGAGTGGACTGCTCGACCGGGACGCTATTGAACACATCACGGAGCTTTGGAATCGACTGGAAGTGT  
 TGCAACAGACCCTGTCAAAAATGCCATGGCCGACGGCCTTAAACCTCTGAAGAATTTTTCTTCTTCA  
 GGAGCTGCTGAGCCTGGGAGGCGAGAGGCTGCTGATGGATCTGGTTAGGGAGAATATGCACGTGAGAGAG  
 ATGATGAATGAAGTCGCTCCACTGCTGCGGAAGACGGATCATGTCGGAGCCTGAATTACCATCTGCAGC  
 CAGTAATCGGCATCATCTATGGACCCACCGGGTCCGGAAGTCTCAATTGCTCCGAAATTTGCTCTCTAG  
 CCAGCTCATCACTCTGCTCCAGAAACAGTGTTCATCGCCCCACAGGTGGACATGATTCCGCCATCC  
 GAGCTTAAAGCCTGGAAATGCAAAATTTGCGAGGGTAACTACGCTCCGGGGCCTGAGGGAACATTATAC  
 CCCAGTCCGGTACCCTTCGGCCAAAATTCATAAAGATGGCCTACGACGACTTGACACAGGAACACAATTA  
 CGACGTGTCTGACCCAAGAAACGTTTTTCGACGCGCAGCGGCACATGGCCCTATCGCTATCATAATGGAC  
 GAATGCATGGAGAACCTGGGGGGCACAAGGTGTCTCCAAGTCTTTTATGCTTTCCCAAGCAACTGC  
 ACGACAAGTTTCCAAAGTGCCTGGGTACACTGTGCTCGTAGTTTTGCACAACATGAATCCTCGCCGGGA  
 CCTCGCGGCAACATAGCTAACCTGAAAATCCAGTCAAAAATGCACATCATCTCACCTAGAATGCATCCT  
 TCCCAAGTGAATAGTTTTGTTAACACCTACACAAAAGGCCTCTCGTGGCCATCTCCTTGTCTCTGAAGG  
 ACATCGTGCAGCACCATGCTCTCAGACCCTGCTATGATTGGGTGATCTATAACACCACTCCTGAGCACGA  
 GTCCTGCAAGTGGAGTTACCTGCATCCCAAGGACGGGTTGATGCCCATGTACCTTAATATCCAGTCTCAT  
 CTGTATCGAATCCTGAAAAGATCCATCGGGTGTCAATGACAGGGATAGGTGGAGTAGAGCATACAGAG  
 CACGCAAAATGAAG

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>VC100077 representing AP\_000575  
 Red=Cloning sites Green=Tags

METKGRQATEVLHQNESEAHPGKRPSRRTPHCDGNNPDSNTETLEGPNPGSAGRPSHTLLQEPSKPA  
 KRGGLLDRDAIEHITELWNRELLQQTLSKMPMADGLKPLKNFSSLQELLSLGGERLLMDLVRENMHVRE  
 MMNEVAPLLREDGSCRSLNYHLQPVIGI IYGPTGCGKSQLLRNLLSSQLITPAPETVFFIAPQVDMIPPS  
 ELKAWEMQICEGNYAPGPEGTFIPQSGTLRPFKIKMAYDDL TQEHNYDVS DPRNVFARAAAHGPIA IIMD  
 ECMENLGGHKGVS KFFHAFPSKLDKFPKCTGYTVLVV LHMNPRRDLGGNIANLKI QSKMHI I SPRMHP  
 SQLNRFVNTYTKLSVAISLLLKDIVQHHLRPCYDWVIYNTTPEHESLQWSYLHPKDGLMPMYLNIQSH  
 LYRILEKIHRV LND RDRWSRAYRARKMK

**TR**TRRLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

Sgfl-Mlul

**Cloning Scheme:**


**ACCN:** AC\_000019

**ORF Size:** 1344 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\\_000575](#)

**RefSeq ORF:** 1344 bp

**MW:** 50.8 kDa