

## Product datasheet for **VC100466**

### **IVa2 (NC\_003266) Virus Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	IVa2 (NC_003266) 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 VC100466 represents NCBI reference of YP\_068022 with codon optimized for human cell expression  
 Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGAAACTCGCGGTCGCGCTCCGGCGTGTGCTCGACCAGCCTGATGAGCCGGAAGCCACCCCGGA  
 AACGGCCTGCAAGACGAGCACCCTGTATCGCGATGGAGACCACCCCGATGCAGATGCCGCTACACTGGA  
 AGGCCCGACCCCGGTAGGGCAGGACGGCCATCATCAGGCGCACTGCTTCTCAGTCTCCGACGCCAGCA  
 AAAAGGGGAGGCCTGCTTATCGAGATGCCGTGGAACATATTACCGAGCTCTGGGACAGGCTTGAATTC  
 TCCAGCAGACCCTGAGTAAGATGCCATGGCCGACGGCTTGAACCATTGAAAACTTCGCTCTCTCCA  
 GGAACCTCTCACTGGGGGAGAGACTTCTGGCAGAACTGGTGGGAAAACATGCATGTGCGACAA  
 ATGATGAACGAAGTGGCACCCTCCTGCGCGAGGATGGCTCTTGTGTAGCCTGAATTACCACCTGCAGC  
 CCGTCATTGGCGTGATCTACGGCCGACAGGTTGTGGCAATCTCAGCTTCTGCGGAACCTGTTGAGCGC  
 CCAAGTTGATCAGCCAGCCCGGAGACTGTTTTTTCATAGCCCTCAGGTGGATATGATCCCCCAAGT  
 GAGCTTAAGGCATGGGAGATGCAGATCTGTGAAGGAACTACGCACCTGGGATCGAGGGGACATTTGTCC  
 CCCAGTCAGGAACGCTGCGGCCCAAGTTCATTAAGATGGCGTACGAAGACCTCACTCAAGACCACAATA  
 CGATGTCTCAGACCCGAGAAACGTGTTCCGCCAGGACCCGCGCATGGACCAATCGCCATAATAATGGAC  
 GAGTGTATGGAATACTGGGAGGGCACAAGGGGTCTCTAAGTCTTCCACGCTTTTCTTCAAAATTGC  
 ACGATAAATTTCTAAGTGTACCGGCTACACGGTCTTGTGGTGTCCATAATATGAATCCCGACGGGA  
 CCTGGGCGGGAACATTGCAAACCTGAAAATACAGGCCAAGATGCACCTTATTTCCCCCGCATGCACCCG  
 AGTCAGCTTAACCGGTTCTCAACTTACACCAAGGGCTGCCGTCGCTATTAGCCTGCTGTAAGG  
 ACATTGTTGAGCACACCGCCTGCGGCCTTGCTATGATTGGGTGATATACAACACCACCCCTGAGCATGA  
 GGCCCTGCAGTGGTCTATCTGCATCTAGAGATGGGCTGATGCCAATGTATCTCAACATTCAGTCACAT  
 CTTTACCGGGTACTCGAGAAAATCACCGCTTGAACGATAGAGGACGATGGTACGAGCCTACAGAG  
 CCCGGAAGATAAAA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>VC100466 representing YP\_068022  
 Red=Cloning sites Green=Tags

METRGRRSQAVLDQPEPEAHPKRKPARRAPLYRDGDHPDADAATLEGPDPGRAGRPSSGALLPQSPQPA  
 KRGLLDRAVEHITELWDRELLQQTLSKMPMADGLKPLKNFASLQELLSLGGERLLAELVRENMHVRQ  
 MMNEVAPLLREDGSCVSLNYHLQPVIGVIYGPTGCGKSQLLRNLLSAQLISPAPETVFFIAPQVDMIPPS  
 ELKAWEMQICEGNYAPGIEGTFVPSGTLRPFKIKMAYEDLTQDHNYDVSDPRNVFAQAAAHGPIAIIIMD  
 ECMENLGGHKGVSKFHFAFSPKSLHDKFPKCTGYTVLVVHNMNPRRDLGGNIANLKIQAQMHLISPRMHP  
 SQLNRFVNTYTKGLPVAISLLLDIVQHHLRPCYDWVIYNTTPEHEALQWSYLHPRDGLMPMYLNIQSH  
 LYRVLEKIHRVLRNDRGRWSRAYRARKIK

**TRTRRLEQKLISEEDLAANDILDYKDDDDKV**

**Restriction Sites:**

Sgfl-Mlul

**Cloning Scheme:**


**ACCN:** NC\_003266

**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:** [NC\\_003266.2](#), [YP\\_068022](#)

**RefSeq ORF:** 1344 bp

**Locus ID:** 2958471

**MW:** 50.5 kDa