

Product datasheet for **VC100223**

IVa2 (AC_000005) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	IVa2 (AC_000005) 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 VC100223 represents NCBI reference of AP_000111 with codon optimized for human cell expression
 Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGAATCTCAAGGCCGGCGGCACGCTCTCCAACATCAACCTCCTCAATTTAAAGCACACACCGGGCAAC
 GCTCCACCAGGAGCGCTAGCATTACCGGGACCGGAACAACCCCGACGCCACATTACGAGTCTTGAGGG
 GCAGAACCCGCGCCCTTTGGATGCTCACCTCCTCGCAGTCTGCAGCAACAACCGGCCAAGCCCCCTCAG
 AGAGGAAGCCTGCTGGATAGAGACGGCATCGAAAAATTACCGAGCTTTGGGACCGGCTCCAGCTCCTCA
 AGCAGACACTGGACCATATGCCCATGGCCGACGGCCTTAAGCCCCCTAAAAAATTCAAATCTTTGCAGGA
 GCTCCTCAGCCTGGGCGGCGAAAGATTGCTGGGCGAGCTGGCCAAGCAAATATTAGGGTGCACAGATG
 ATGAATGAGGTCGCCACTCCTGCACGAGGACGGATCATGTACGAGCCTCAACTATCATCTTCAGCCTG
 TTATCGGGCTCATCTATGGCCCCACTGGCTGTGGGAAGTCCCAGCTGCTTCGCAACTCCTGAGCGCCA
 GTTGGTGACCCCGCCCTGAGACAGTCTCTTTATCGTCCCTCAGGTGGACATGATCCACCCCTCCGAA
 ATTAAGAGTTGGGAAATGCAGATCTGCGAGGGCAATTATGTGCCCGACCCGAGGGCAGCATCATACCTC
 AATCCGGCAGCTGTGCCCAAATTCGTGAAACTCAGTTACGACGACCTGACTCTGGATCACAACATGA
 CGTGTACAGCCAGAGAACAATTTTGGCAGGCTGCAGCACGCGGGCCGATAGCTATCATCATGGACGAG
 TGCATGGAGAATCTTGGATCTCACAAAGGAGTGTCTAAGTTCTTTCATGCATTCCCCTCCAAGCTCCAG
 ATAAGTTTCCTAAATGCACAGGCTATACAGTCTTTGTAGTGTGCACAACATGAACCAAGACGCGACCT
 CGCCGGCAATATTGCCAACTTGAAGATACAGTCTAAGTTGCACATTATGTCCCCCGGATGCATCCCACC
 CAGCTCAATAGGTTTATCAACACTTACACCAAAGGGTTGCCTCTGGCAATCTCTCCTCTGAAAGATA
 TATTTAACCAACACGCCACGGGTGCTGTTATGACTGGATTATTTACAATACTAACCCCTGAGCATGAGGC
 ACTTCAGTGGAGCTATCTTCATCCCAAGGATGGCCTCATGCCATGTATCTTAACATTCAGGCGCATCTC
 TACAAAATCCTGGAACACATTACAGAGTCTTGAATGATAGAGAGAGGTGGTCAAGAGCATACCACGTGA
 GAAAAATAAGTACCAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>VC100223 representing AP_000111
 Red=Cloning sites Green=Tags

MESQRRHALQHQPQFKAHTGQRSTRSASIHDRNPNDAHITSLEGQNPRPFGCSPPRSLQQQPAKPPQ
 RGSLLDRDGIENITELWRLQLLKQTLDHMPMADGLKPLKNFKSLQELLSLGGERLLGELAKQNIQIRVRQM
 MNEVAPLLHEDGSCTSLNYHLQPVIGVIYGPTGCGKSQLLRNLLSAQLVTPAPETVFFIVPQVDMIPPSE
 IKSWEMQICEGNYVPGEGTIIIPQSGTLCPKFVKLSYDDLTDHNYDVSDPENIFAQAAAARGPIAIIIMDE
 CMENLGSCHKGVSKFFHAFPSKLDKFKPKCTGYTVFVVLHNMNPRRDLAGNIANLKIQSKLHIMSPRMHPT
 QLNRFINTYTKGLPLAISLLKIDIFNHHAQRCCYDWIIYNTNPEHEALQWSYLHPKDGMLMPMYLNIQAHL
 YKILEIHRVLRERWSRAYHVRKNKYQ

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:


ACCN: AC_000005

ORF Size: 1347 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_000005.1](#), [AP_000111](#)

RefSeq ORF: 1347 bp

MW: 51.2 kDa