

Product datasheet for **VC100504**

IVa2 (NC_001454) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	IVa2 (NC_001454) 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 VC100504 represents NCBI reference of NP_040852 with codon optimized for human cell expression

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

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAGACCAGGGGTCGAAGAAGGGCATTACGCCACCAGCAGGACGAGCCAGAGGAAAACCCCGGTAAAC
GGCCACGCGGTCACTCCTTTGTACCGCATCGCAATCAGCCTAATGCAAATCCCGCGACTCTTGAACG
CCATTATCCCTGTTCTACCGGTGACCCCTACCGGCACCGTGCAGCCTAAGCCTAGCCAGCCGCTCAA
CCCCGCTCTGCTGGATCGGGACGCAATTGATCACATCACTGAACTTTGGGATCGTTGTATCTGCTGC
GCCAGTCACTGGAGAAAATGACTATGGCTGACGGTTTGAAGCCACTCAAGCACTTTCGGTCACTGGAGGA
ACTCCTCTCTTTGGGCGGAGAAAGGCTCCTGCAGGATTTGGTGAAGGAGAACCAGCACGTTAGAAGCATG
ATGAATGAGGTGACCCCACTCCTGCGGGAGGACGGATCCTGTATTTCACTGAACTATCAGCTGCAACCGG
TGATTGGCGTGATATACGGCCCTACAGGCTGCGGGAAGTCTCAGTTGCTGCGAAAATCTTTTGTCTACCCA
ACTGATTAATCCACCACCTGAGACAGTGTTCATTGCACCCAGGTTGATATGATACCCCTTCGGAG
ATTAAGCCTGGGAGATGCAAATCTGCGAAGGCAATTACGCTCCAGGACCGGAGGGCAGCATAATCCCTC
AAAGCGGGACTCTGCTGCCTCGGTTCAAAAGATGGCGTATGACGAACTGACGCTCGAACAGAATTACGA
CGTGAGTACCCGGACAATTTTTGCAAGCGGCAAGTCAAGGTCCTATCGCCATCATCATGGATGAA
TGCATGGAGAACCTGGGCGGACATAAGGGAGTTTCCAAGTTCTTCCATGCTTTTCCAAGCAAGCTGCACG
ACAAGTTTCCAAGTGTACCGGTTACACAGTACTCGTTGACTGCACAACATGAATCCGAGACGAGACCT
CGGCGGAAACATTGCAAATCTGAAGATTCAGGCTAAGATGCACCTGATCTCACCGAGAATGCATCCTTCC
CAACTCAACAGATTCGTGAATACATTACCAAAGGACTCCCACTTGCTATTTCCCTGCTGCTTAAGGACA
TTTTTCAATTCACGCTCAGAAACCGTGTACGACTGGATCATATAATACCACGCTGAGCACGACGC
ACTGCAATGGTCATACCTCCACCCGCGGATGGGCTTATGCCATGTATTTGAATATACAGGCTCACCTG
TATCGGGTCTTGAAAATATCCACAAAGTTCTGAATGACCGGGACAGATGGAGCAGACCTACAGAAAGC
GCAATAAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>VC100504 representing NP_040852

Red=Cloning sites Green=Tags

METRGRRRAFSHQQDEPEENPGKRPTRSAPLYRHRNQPNANPATLERHYPCSTGRPPTGTVQPKPSQPPQ
PRSLDDRDAIDHITELWDRLYLLRQSLEKMTMADGLKPLKHFRSLEELLSLGGERLLQDLVKENQHVRSM
MNEVTPLLREDGSCISLNYQLQPVIGVIYGPTGCGKSQLLRNLLSTQLINPPPETVFFIAPQVDMIPPSE
IKAWEMQICEGNYAPGPEGTIIPQSGTLLPRFIKIMAYDEL TLEQNYDVSHPDNIFAKAASQGP IAIIMDE
CMENLGGHKGVSFFHAFPSKLDKFPKCTGYTVLVVHNMNPRRDLGGNIANLKIQAQMHLISPRMHPS
QLNRFVNTFTKGLPLAISLLKIDIFQFHAQKPCYDWIIYNNTTPEHDALQWSYLHPRDGLMPMYLNIQAHL
YRVLENIHKVLNDRDRWSRAYRKRNK

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NC_001454

ORF Size: 1338 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_001454.1](#), [NP_040852](#)

RefSeq ORF: 1338 bp

Locus ID: 2715937

MW: 51.1 kDa