

Product datasheet for **VC100213**

IVa2 (AC_000018) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	IVa2 (AC_000018) 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 VC100213 represents NCBI reference of AP_000538 with codon optimized for human cell expression

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

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAAACCAAGGGACGGAGGAGCGCCGCTGTGCTCGATCAGCAGGACGAGTCCGAAGCCCACCCGAGGA
AAAGACCTACAAGAAGAGCACCTATCCATCGCGATGGTAATAATCCCGACAGCGACGCAGCCACCATGGA
AGGCAGTGACCCAGGCTCCGACAGGTAGGCCATCTAGCGACTCCTTGTGCAAGAACCTTCCCAACCAGCC
AAGAGAGGGGGACTCTTGGATCGAGACGCTATCGAGCACATTACAGAACCTTGGGACAGACTCGAGCTGC
TCCAACAACTCTGTCTAAGATGCCAATGGCTGATGGACTCAAACCACTGAAGAACCTCAGCTCTCTCCA
GGAGCTGCTGAGTTTGGGCGCGAGAGGCTGCTCACCGACCTTGTTCGCGAAAACATACACGTCCGAGAG
ATGATGAATGAGGTCGCTCCATTGCTGCGCAAGATGGCTCTTGTAGGTCTCTGAACTATCATCTGCAGC
CAGTAATCGGCGTCATTTACGGCCGACAGGATGCGGTAATCTCAACTTCTCAGGAACCTGCTTTCTCTC
TCAGCTGATTACACCAGCACCTGAAACCGTCTTCTTTATTGCGCCCCAGGTTGACATGATACCTCCTTCA
GAACTGAAGGCATGGGAGATGCAGATCTGTGAGGGGAATTATGCTCCCGTCCCGAGGGAACCTTTCATTC
CTCAATCAGGAACGCTTCGGCCAAAGTTTCAATAAATGGCCTACGATGACCTGACTCAGGAGCACAATTA
CGATGTGAGCGATCCCAGGAACGTGTTCCGACAGCCGACGACACGGTCTTATTGCAATCATTATGGAT
GAGTGCATGGAACCTGGGCGGACATAAGGGAGTCAGCAAGTCTTCCACGCCTTTCCCTCAAAGCTGC
ATGATAAGTTCCAAAGTGCACGGGGTATACCGTCTCGTGGTCTTGACAACATGAACCTCGCCGAGA
TCTGGGGGCAACATAGCTAATCTCAAGATCCAGAGCAAGATGCACATAATATCACCCAGAATGTATCCC
TCACAACCTGAACAGATTTGTGAACACTTACACCAAGGGCTGCCAGTGGCGATCAGCCTCCTCTGAAAG
ATATTGTCAGCACACGACGATTGAGCCCTGCTATGATTGGGTCTATAAATACCACTCCTGAACAGGA
AGCCTTGCAGTGGTCTTACCTCCATCCGAGGGATGGATTGATGCCCATGTATTTGAATATCCAAAGCCAT
CTCTATCGCGTCTTGAATAAATTCATCGGGTCTTAATGACAGGGATAGATGGAGTCGAGCGTATCGAG
CCAGGAAATTA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>VC100213 representing AP_000538

Red=Cloning sites Green=Tags

METKGRRAAVLDQQDESEAHPRKRPTRRAPIHRDGNPDSDAATMEGSDPGSAGRPSSDSLLQEPSQPA
KRGLLDRDAIEHITELWDRELLQQTLSKMPMADGLKPLKNFSSLQELLSLGGERLLTDLVRENIHVRE
MMNEVAPLLREDGSCRSLNYHLQPVIGVIYGPTGCGKSQLLRNLLSSQLITPAPETVFFIAPQVDMIPPS
ELKAWEMQICEGNYAPGPEGTFIPQSGTLRPFKIKMAYDDLQEHNYDVS DPRNVFARAAAHGPIAIIIMD
ECMENLGGHKGVSKF FFAFP SKLHDKFPKCTGYTVLVV LHMNPRRDLGGNIANLKIQSKMHIISPRMYP
SQLNRFVNTYTKGLPVAISLLLKDIVQHHLRPCYDWVIYNTTPEQALQWSYLHPRDGLMPMYLNIQSH
LYRVLEKIHRVLRDRWSRAYRARKIK

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:



ACCN: AC_000018

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_000018.1](#), [AP_000538](#)

RefSeq ORF: 1344 bp

MW: 50.7 kDa