

Product datasheet for **VC100296**

IVa2 (NC_011202) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	IVa2 (NC_011202) 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 VC100296 represents NCBI reference of YP_002213841 with codon optimized for human cell expression
Red=Cloning site **Blue**=ORF **Green**=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGAGACCAAGGGGCGCCAGGCAACTGAAGTTTTTATGATCAGCAAGATGAATCAGAAGCCCACTGGCA
 AGAGACCTTCTCGGCGCACACTCTGCATTGCGATGGAACAATCCAGACTCCAATACTGAAACGCTGGA
 AGGCCCAATCCCGGCTCCGCGGAAGACCATCCAGCCACACACTGTTCCAAGAGCCATCAAAGCCCGCC
 AAGCGGGGGGCTCCTCGATCGCGATGCGATTGAGCACATCACTGAGCTTTGAAACCGGCTGGAGCTGC
 TGCAGCAAATCTGTCAAAGATGCCAATGGCAGACGGTTGAAACCACTCAAAAATTTTCTTCACTGCA
 AGAGCTGCTGAGTCTCGGTGGAGAACGACTGCTCATGGATCTGGTGGAGAGAACATGCACGTCCGGGAA
 ATGATGAATGAAGTGGCCCACTCCTCCGGGAGGACGGTAGTTGCAGAAGCCTCAACTATCATCTGCAAC
 CCGTGATCGGGATCATCTATGGCCCTACTGGATGCGGAAAGTCCCAGCTGCTGAGAAACCTGCTTTCCTC
 ACAACTTATCACCCCTGCTCCCAGACGGTATTCTTATTGCCCCACAGGTAGACATGATCCACCTAGC
 GAATTGAAGGCTTGGAAATGCAGATCTGCAAGGCAATTACGCGCTGGACCAGAGGGAACATTATCC
 CGCAGTCTGGACTCTCAGACCTAAGTTTATAAAAATGGCTTATGACGACCTCACCCAGGAACACAATTA
 CGATGTCTCCGACCCTAGAAATGTCTTCGCGCGGCCGACGCTCATGGCCCAATTGCCATCATAATGGAT
 GAATGCATGGAACCTGGGGGGCACAAGGGTGTGAGCAAATCTTTCATGCTTTTCTTCAAGCTGC
 ATGATAAGTTTCAAAGTGTACTGGGTACACCGTGTGGTTGTGCTGCACAACATGAACCAAGACGCGA
 CCTGGGAGGAAACATTGCCAATTTGAAGATTCAAAGCAAGATGCACATCATAAGCCACGAATGCATCCC
 TCACAGTTGAATAGATTTGTGAACACATACACCAAGGGCCTCAGTTGCCATTTCACTCCTCCTAAAG
 ACATCGTTACGACACGCACTCAGGCCATGCTATGACTGGGTTATTTACAATACGACCCCTGAACACGA
 ATCCCTGCAGTGGAGTTATCTGCACCCAAAGATGGCCTCATGCCCATGTACTTGAACATCCAAAGCCAC
 CTCTACAGAATCTTGAGAAAATTCACCGGGTGTGAACGACCGGACCGATGGAGTAGAGCCTATCGAG
 CTCGCAAAATGAAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>VC100296 representing YP_002213841
Red=Cloning sites **Green**=Tags

METKGRQATEVFDQQDESEAHPGKRPSRRTPLHCDGNNPDSNTETLEGPNPGSAGRPSHTLFQEPSKPA
 KRGLLDLDRDAIEHITELWNRELLQQTLSKMPMADGLKPLKNFSSLQELLSLGGERLLMDLVRENMHVRE
 MMNEVAPLLREDGSCRSLNYHLQPVIGI IYGPTGCGKSQLLRNLLSSQLITPAPETVFFIAPQVDMIPPS
 ELKAWEMQICEGNYAPGPEGTFIPQSGTLRPFKIKMAYDDL TQEHNYDVSDPRNVFARAAAHGPIA IIMD
 ECMENLGGHKGVSKF FFAFP SKLHDKFPKCTGYTVL VVLHNMNPRRDLGGNIANLKIQSKMHIISPRMHP
 SQLNRFVNTYTKGLSVAISLLLKDIVQHHLRPCYDWVIYNTTPEHESLQWSYLHPKDGLMPMYLNIQSH
 LYRILEKIHRVNLNDRDRWSRAYRARKMK

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


- ACCN:** NC_011202
- 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_011202.1, YP_002213841](#)
- RefSeq ORF:** 1344 bp
- Locus ID:** 6870502
- MW:** 50.9 kDa