

Product datasheet for **VC100332**

IVa2 (NC_011203) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	IVa2 (NC_011203) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	IVa2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>The Viral ORF clone VC100332 represents NCBI reference of YP_002213830 with codon optimized for human cell expression
 Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGAAAACAAAGGGCAGGCAGAGTGCAGCTGTCTTGACCAACAGGATGAATCCGAAGCTCACCCACGCA
 AGAGACCTACGAGACGCGCACCTCTCCACAGGGATGGGAACAACCCCGATAGTGATGCCGCGACTATGGA
 AGGTAGTGATCCGGGCAGCGCAGGGAGGCCATCAAGCGACTCATTGCTGCAGGAACCAAGTCAACCAGCC
 AAGAGAGGCGGACTGCTGGATCGCGATGCAATCGAACATACACTGAACTTTGGGATAGACTGGAAGTGC
 TGCAGCAGACTCTCTCAAAGATGCCTATGGCTGATGGGCTGAAGCATTGAAGAATTTTCAGCAGCCTCCA
 AGAATTGTTGCTACTGGGAGGTGAGAGACTCCTTACCGACCTGTCCGGGAGAATATACACGTTAGAGAG
 ATGATGAATGAGGTCGCTCCATTGCTTAGGGAGGATGGCTCCTGCAGGTCTTTAATTATCACCTCCAGC
 CTGTCATCGGTGTGATCTACGGTCCCACAGGCTCGGGAAAGAGTCAACTGCTGCGGAACCTTTTGTAGTTC
 ACAGCTCATAACACCAGCACCCGAGACTGTATTTTTCATTGCCCTCAGGTGGATATGATTCCACCCAGC
 GAGCTGAAAGCATGGGAGATGCAAAATTTGTGAGGGGAATTACGCTCCCGGCCAGAGGGAACCTTTATAC
 CCCAGTCAGGAACCTTGGCGCCTAAGTTTATCAAATGGCCTACGATGATCTCACACAGGAGCATAACTA
 TGATGTTTCAGACCCTCGGAACGTGTTCCGACAGGGCCGCTGCCACGGTCCCATCGCAATCATCATGGAT
 GAATGCATGGAGAACCTTGGGGGCCACAAAGGTGTGAGCAAAATTTTCCATGCCTTCCCCTTAAGTGC
 ACGACAAGTTTCCAAGTGCCTGGCTACACTGTCTGGTAGTGTCCATAATATGAATCCCCGCCGGGA
 TCTGGGTGGCAACATCGTAATCTTAAGATCCAGTCCAAAATGCATATAATTAGCCCCAGGATGCATCCC
 AGTCAACTGAATCGATTGCTGAACACATATACAAAAGTGTTCCTGTGGCTATCAGCCTGCTTTTGAAG
 ACATTGTGCAGCATCACGCTTTGCGCCCTGTTACGACTGGGTGATCTATAATACTACTCCAGAGCAGGA
 GGCACTCCAATGGTCTACCTTCCATCCACGCGACGGCTTGATGCCTATGTACTTGAATATACAGTCTCAC
 TTGTATCGCGTGTGGAGAAGATTACAGAGTGTGAACGACAGAGATAGGTGGTCCAGGGCCTACCGGG
 CGAGGAAGATTAAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>VC100332 representing YP_002213830
 Red=Cloning sites Green=Tags

METKGRQSAAVLDQQDESEAHPRKRPTRRAPLHRDGNPDSDAATMEGSDPGSAGRPSSDSLLQEPSQPA
 KRGLLDLDRDAIEHITELWDRELLQQTLSKMPMADGLKPLKNFSSLQELLSLGGERLLTDLVRENIHVRE
 MMNEVAPLLREDGSCRSLNYHLQPVIGVIYGPTGCGKSQLLRNLLSSQLITPAPETVFFIAPQVDMIPPS
 ELKAWEMQICEGNYAPGPEGTFIPQSGTLRPFKIKMAYDDLQEHNYDVS DPRNVFARAAAHGPIAIIIMD
 ECMENLGGHKGVSKF FFAFP SKLHDKFPKCTGYTVLVV LHMNPRRDLGGNIANLKIQSKMHIISPRMHP
 SQLNRFVNTYTKGLPVAISLLLKDIVQHHLRPCYDWVIYNTTPEQALQWSYLHPRDGLMPMYLNIQSH
 LYRVLEKIHRVNLNDRDRWSRAYRARKIK

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:


ACCN: NC_011203

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_011203.1](#), [YP_002213830](#)

RefSeq ORF: 1344 bp

Locus ID: 6870518

MW: 50.7 kDa