

Product datasheet for **VC100428**

IVa2 (NC_010956) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	IVa2 (NC_010956) 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 VC100428 represents NCBI reference of YP_001974425 with codon optimized for human cell expression
 Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGC**C

ATGAAACTCGAGGAAGGCGACCCTGTCCATTCCAGCATCAGCAGGATGAGTCACAGGCACACCCTTGCA
 AAAGGCCGGCTCGAGGACCTCCCCTGCACAGAGACGGAGACCATCCCCTCCGACCCTGAAACTCTGGA
 GGGACATGACGCCGGGCGGGCCGGACGACCATCTAGCCGAGCTCTCCAGTCCCAGTCTAGTCAACCGCCA
 AAGAGAGGATCATTGTTGGATCGGGATGCCGTGGAGCACGTGACTGAGCTTTGGGATCGCTTGGAGCTTC
 TGTACAGACCCTTGCCAAAATGCCAATGGCAGACGGGCTCAAACCCTTGAAGAACTTTGCCTCCCTGCA
 GGAGCTGTCTTTGGCGGTGATCGCTTGTCTGGAGAAGTGGTGCAGGAGAATCTGCAGGTACGAGAC
 ATGCTTAATGAAGTTGCCCTTGTCTGCGAGACGACGGAAGTTGTATGCTACTGAACTATCACCTTCAAC
 CCGTAATAGGAGTCATTTACGGCCAACCGGATGTGGCAAGAGCCAAGTCTCAGGAACCTGCTGTCTC
 ACAGCTGATTACGCCAGCCCCGAAACAGTGTTTTTTATTGCGCCACAGGTTGATATGATTCCTCCCACT
 GAAATGAAGGCATGGGAGATGCAAAATGTGAGGGAAATTTGCTCCAGGACCCGAGGGTACCATCGTGC
 CACAATCAGGTACCCCTTCGCCCCAAGTTCATAAAATGAGTTACGACGACCTGACACAGGAGCATAACTA
 TGATGTGAGCGATCCACGCAACGTATTCGCCAAAGCCGCCCATGGTCTATCGCCATTATCATGGAT
 GAGTGCATGGAACCTTGGCGGCCATAAAGGGGTGAGCAAGTTTTTTCACGCCTTTCCAAGCAAATTC
 ATGACAAGTTCCTAAGTGCACAGGGTACACTGTGCTCGTTGTTCTGCACAACATGAACCCCGCCGCGA
 TCTCGGGGCAACATTGCGAATCTAAAATTGAGGCAAGCTCCATATTATCCCAAGAATGCATCCG
 TCCAGCTTAATCGATTCGCCAACACGTACACCAAGGGGCTCCAGTAGCAATTAGTTTGTGCTCAAGG
 ACATAATCCAGCACCATGCTCAGAGCCCTTGTACGACTGGATTATATAACAATACAACCCAGAGCACGA
 AGCCATGCAGTGGTGTACCTGCACCCGAGGGACGGTCTCATGCCATGTACCTGAAATCCAGAGTCAC
 CTGTATCGAGTACTTGAAAAATACATAGGACTCTCAACGACCGGGAGCGCTGGACACGCGCATATCGCG
 CTCGAAAGAATAAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>VC100428 representing YP_001974425
 Red=Cloning sites Green=Tags

METRGRRPCPFQHQQDESQAHPCKRPARGPPLHRDGDHPHSDPETLEGHDAGRGRPSSRALQSQSSQPP
 KRGSLLDRDAVEHVTELWDRLELLSQTAKMPMADGLKPLKNFASLQELLSLGGDRLLGELVRENLQVRD
 MLNEVAPLLRDDGSCMSLNYHLQPVIGVIYGPTGCGKSQLLRNLLSSQLITPAPETVFFIAPQVDMIPPS
 EMKAWEMQICEGNFAPGPEGTIVPQSGTLRPFKIKMSYDDLQEHNYDVS DPRNVFAKAAAHGPIAIIIMD
 ECMENLGGHKGVSKFHAFPSKLDKFPKCTGYTVLVVHNMNPRRDLGGNIANLKIQAKLHIISPRMHP
 SQLNRFANTYTKGLPVAISLLLDKDIQHHARPCYDWIINYNTTPEHEAMQWICYLHPRDGLMPMYLNIQSH
 LYRVLEKIHRTLNDRERWTRAYRARKNK

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:


ACCN: NC_010956

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_010956.1, YP_001974425](#)

RefSeq ORF: 1344 bp

Locus ID: 6386270

MW: 50.8 kDa