

## Product datasheet for **VC102468**

### NA (NC\_002018) Virus Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	NA (NC_002018) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	NA
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 VC102468 represents NCBI reference of NP\_040981 with codon optimized for human cell expression  
 Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGAACCTAACCAAAAGATTATCACTATAGGATCAATTTGCCTGGTGGTTGGCTTGATCAGCCTGATCC  
 TCCAGATAGGGAATATTATCAGTATTTGGATTTACACAGCATCCAGACCGGCTCCAGAACACACAGG  
 TATTTGCAACCAGAACATCATCACCTACAAGAATAGCACTTGGGTCAAGGATACGACAAGCGTCATTCTG  
 ACCGGCAACTCATCCCTCTGTCTATTTCGCGGGTGGCCATATATTCAAAGACAACAGTATTAGGATCG  
 GCAGCAAAGGAGATGTCTTCGTTATTTCGCGAACCATTTATCTCATGTAGTCATCTGGAGTGCAGAACATT  
 TTTTTTGACCCAGGGTGCCTCAACGATAGACACAGTAACGGTACCGTTAAAGATAGAAGTCTTAC  
 CGAGCCCTGATGTCTTGGCCCGTGGGGAAGCCCCAAGCCCTATAACTCTCGTTTAAAGTGTGGCT  
 GGTCAGCCTCAGCCTGTACGACGGCATGGCTGGCTGACCATCGGAATCTCTGGCCCGACAATGGTGC  
 TGTGGCTGTCTCAAGTATAATGGAATAATCACTGAAACTATAAAATCCTGGAGGAAGAAAACTGCGG  
 ACTCAGGAGTCTGAATGCGCATGCGTGAATGGAAGCTGCTTACAAATTATGACAGATGGCCCAAGCGATG  
 GGCTTGCCAGCTATAAGATCTTCAAGATCGAAAAGGGCAAGGTTACTAAGTCAATTGAGCTGAACGCACC  
 TAATCCCACTATGAAGAATGCTCATGCTACCCCGACACCGGCAAGTCAATGTGTGTTTGTGCGAGATAAC  
 TGGCACGGGTCAAATCGGCCATGGGTCTCTTCGACCAGAACCTCGACTATCAGATCGGTTACATCTGTA  
 GTGGCGTATTTCGAGACAACCTAGACCAAGGATGGCACAGGGTCTTTCGCGCCCGGTGTACGTTGACGG  
 CGCTAACGGTGTCAAAGGCTTCAGTTATAGGTATGGCAACGGGTGTGGATCGGACGAACCAAGAGCCAC  
 TCAAGCCGGCATGGATTTGAAATGATATGGATCCCAACGGGTGGACCGAGACAGACAGTAAATTTCCG  
 TTAGACAGGATGTTGTGGCCATGACCGACTGGTCCGGATATAGCGGAAGCTTCGTCCAGCACCCAGAAC  
 GACAGGGCTGGATTGCATCAGGCCTGCTTCTGGGTGGAGCTGATCCGCGGAAGGCCAAGGAGAAAACC  
 ATCTGGACTTCCGCCTCTCCATCTCATTCTGTGGGGTAACTCCGACACTGTGGACTGGTCTGCGCTG  
 ATGGAGCGGAGCTGCCATCACCATAGACAAG

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>VC102468 representing NP\_040981  
 Red=Cloning sites Green=Tags

MNPNQKIITIGSICLVVGLISLILQIGNIISIWISHSIQTGSQNHTGICNQNIITYKNSTWVKDTSVIL  
 TGNSSLCPIRGWAIIYKDNSIRIGSKGDVFIREFPISCSHLECRFFLTQGALLNDRHSNGTVKDRSPY  
 RALMSCPVEAPSPYNSRFESVAWSASACHDGMGWLITIGSPDNGAVAVLKYNGIITETIKSWRKKILR  
 TQSEACVNGSCFTIMTDGPSDGLASYKIFKIEKGKVTKSIELNAPNSHYEECSYPTDGKVMCVCARDN  
 WHGNSRPWVSFDQNLDYQIGYICSGVFGDNPRPKDGTGSCGPVYVDGANGVKGFSYRYGNGVWIGRTKSH  
 SSRHGFEMIWDPNGWTEITDSKFSVRQDVVAMTDWSGYSGSFVQHPPELTGLDCIRPCFWVELIRGRPKET  
 IWTSASSISFCGVNSDVTVDWSWPDGAELPFTIDK

**TR**TRRLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:**

[https://cdn.origene.com/chromatograms/ja2203\\_b12.zip](https://cdn.origene.com/chromatograms/ja2203_b12.zip)

**Restriction Sites:**

Sgfl-Mlul

**Cloning Scheme:**


**ACCN:** NC\_002018

**ORF Size:** 1362 bp

**OTI Disclaimer:** Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at [custsupport@origene.com](mailto:custsupport@origene.com) or by calling 301.340.3188 option 3 for pricing and delivery.

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\\_002018.1](#), [NP\\_040981](#)

**RefSeq ORF:** 1362 bp

Locus ID: 956530

MW: 50.1 kDa