

Product datasheet for **VC102461**

NP (NC_007369) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	NP (NC_007369) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	NP
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>The Viral ORF clone VC102461 represents NCBI reference of YP_308843 with codon optimized for human cell expression

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

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCGTCCCAGGGTACCAAGCGGTCTTACGAGCAGATGGAGACAGACGGGGATCGCCAGAATGCCACCG
AGATCCGCGCCTCCGTGGCAAGATGATCGATGGAATTGGACGATTCTATATTCAGATGTGCACCGAACT
TAAGTTGAGTGACCATGAAGCCGCTGATCCAGAACAGCCTGACAATTGAAAAGATGGTGTCTGTGCG
TTCGATGAGCGCCGAAACAAGTATTTGGAGGAGCACCTAGTGCGGGCAAAGACCCCAAAAAGACAGGCG
GGCCTATTTACCGCAGAGTCGACGGCAAATGGATGAGAGAAGTGGTGTCTACGATAAGGAAGAGATACG
CAGAATCTGGAGGAGGTAATAATGGTGAAGATGCTACAGCCGGCTTGACACACATCATGATCTGGCAT
TCAAATCTGAATGATGCTACCTACCAGCGGACCCGCGCTCTCGTTCGACTGGCATGGATCCAAGAATGT
GTTCCCTTATGCAAGGATCCACTCTGCCTCGGCGGTCCGGCGCTCGGGGCGCCCGTGAAGGGCATAGG
AACGATGGTGTGAGGACTTATCAGAATGGTCAAGAGAGGTATCAATGACCGGAACCTCTGGAGAGGGGAG
AATGGGAGGAAGACTAGAAGTGCCTATGAAAGAATGTGTAAACATACTTAAGGGCAAGTCCAGACCGCAG
CTCAACGGGCCATGGTTGACCAAGTGAGAGAGTCCCGAAACCCCGGAACGCTGAAATCGAGGATCTCAT
TTTTCTTGCTCGGTCTGCACTATTCTTAGAGTTCTGTAGCACATAAGTCTTGTCTCCAGCATGCGCG
TACGGCCCGCGGTGTCTAGTGGCTATGACTTTGAAAAGGAAGTTACAGCCTCGTCGGGATCGACCCAT
TCAAGCTGCTGCAGAATCCCAGATATACTCACTGATCAGACCAAATGAGAATCCTGCACATAAGAGCCA
ACTGGTTTGGATGGCATGCCACAGCGCCGCAATTTGAAGATCTTAGGTTGCTCTCCTTTATCAGAGGGACA
AAGGTATCTCCGAGGGGTAACCTTAGCACTCGCGGGTGCAGATCGAAGCAATGAAAATATGGATAATA
TGGGTAGTTCACCCCTGGAACCTCCGGTCAAGCTATTGGGCCATCAGAACAAGATCAGGCGGCAACACCAA
TCAGCAGCGCGCTCTGCCGGTCAAGATCAGTGCAGCCACCTTCTCTGTGCAGCGCAACCTCCCTTT
GAAAAATCCACAATTATGGCGCATTTACCGAAATACTGAGGGGCAACCAGCGATATGCGGGCAGAGA
TCATACGCATGATGGAGGGAGCCAAGCCAGAGGAGTTTCATTACAGAGGAGGGGGTGTTCGAAGTGT
CGATGAAAAGGCCACGAATCCTATCGTTCCTAGTTTCGACATGTCTAACGAAGGCTCTTATTTTTTTGGA
GACAACGCTGAGGAGTATGACAAT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>VC102461 representing YP_308843

Red=Cloning sites Green=Tags

MASQGTKRSYEQMETDGDQRNATEIRASVGMIDGIGRFYIQMCTELKLSDEHGRLIQNSLTIEKMLVLSA
FDERRNKYLEEHP SAGKDPKKTGGPIYRRVDGKWMREL VLYDKEEIRRIWRQANNGEDATAGLTHIMIWH
SNLNDATYQRTRALVRTGMDPRMCSLMQGSTLPRRSGAAGAAVKIGTMVMELIRMVKGINDRNFWRGE
NGRKTRSAYERM CNILKGFQTA AQRAMVDQVRESRNPNAEIEDLIFLARSALILRGSVAHK SCLPACA
YGPAVSSGYDFEKEGYSLVGIDPFKLLQNSQIYSLIRPNENPAHKSQLVWMACHSAAFEDLRLLSFIRGT
KVSPRGKLSRTRVQIASNENMDNMGSSLELRSGYWAIRTRSGGNTNQQRASAGQTSVQPTFSVQRNLFP
EKSTIMAAFTGNTEGRTSDMRAEIIIRMMEGAKPEEV SFRGRGVFELSDEKATNPIVPSFDM SNEGSYFFG
DNAEEYDN

TRTRRLEQKLI SEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/ja2689_e01.zip

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:



ACCN: NC_007369

ORF Size: 1494 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 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_007369.1, YP_308843](#)

RefSeq ORF: 1494 bp

Locus ID: 3655155

MW: 55.9 kDa