

Product datasheet for **VC102421**

NP (NC_007360) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	NP (NC_007360) 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 VC102421 represents NCBI reference of YP_308667 with codon optimized for human cell expression

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

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCCAGCCAGGGCACCAAGAGAAGCTACGAACAGATGGAAACCGGCGGGAGAGACAGAATGCTACCG
AGATCAGAGCTAGCGTCGGCCGGATGGTGGGAGGCATCGGCCGGTTCTACATCCAGATGTGCACCGAACT
GAAGCTGTCCGACTACGAGGGCAGACTGATCCAAAACAGCATCACAATTGAGAGAATGGTGTCTCAGCGCC
TTCGACGAGCGCGGAACAAGTACTGGAGGAGCACCCCTCCGCCGGAAGGACCCCAAGAAAACCGGCC
GCCCATTTACCGCGCGGGACGGCAAGTGGGTGCGGGAGCTATTCTGTACGACAAGGAGGAGATTCTG
GCGGATCTGGCGGAGGCCAACACGGAGAGGACGCCACCGCGGGCTCACCCACATGATGATCTGGCAC
AGCAACCTGAACGACGCCACCTACCAACGGACCCGGGCACTGGTCCGGACCGGCATGGACCCCGGATGT
GCAGCCTGATGCAGGGCAGCACCTGCCCGGGCGAGCGCGCCCGGGGCCCGCTCAAGGGCGTCCGG
GACAATGGTGTGAGGCTGATTCGGATGATCAAGCGGGGATCAACGACCGGAACCTCTGGCGGGCGAG
AACGGGCGGGCGGACCCGGATCGCCTACGAGCGGATGTGCAACATCCTGAAGGGCAAGTTCAGACCGCCG
CCCAGCGGGCTATGATGGATCAGGTGCGGGAAAGCCGGAACCCCGGAACGCCGAGATCGAGGACCTGAT
CTTCTCGCCCGAGCGCCCTGATCCTCCGGGGCAGCGTGGCCACAAGTCTGCCTGCCTGCCTGCGTC
TACGGCCTGGCCGTGCAAGCGGGTACGACTTCGAACGGGAGGGCTACAGCCTGGTGGCATCGACCCCT
TCCGGCTGCTCCAGAACAGCCAGGTGTTACGCCTCATCCGGCCAAACGAGAACCCTGCCACAAGAGCCA
GCTGGTGTGGATGGCATGCCACAGCGCAGCCTTCGAGGACCTGCGGGTGGAGCAGTTTCATCCGGGGCACC
CGGGTCGCCCCCGGGGGCAGCTGTCCACCAGAGCGTGCAGATCGCCTCCAACGAGAACATGGAGACCA
TGGACAGCAGCACCCCTGGAGCTGCGGTCCCGTACTGGGCCATCAGAACCCTGGTCCGGCGGCAACACCAA
CCAGCAGCGGGCCAGCGCAGGGCAAATCTCCGTGCAGCCACCTTCAGCGTGCAGCGGAACCTGCCTTTC
GAGCGGGCCACCATCATGGCCGCTTCACCGGCAATACCGAAGGCCGGACCAGCGACATGCGGACCGAGA
TTATCCGGATGATGGAGTCCAGCCGGCCCGAGGACGTGTCTTCCAGGGCCGGGGCGTGTGAGCTGAG
CGACGAGAAGGCCACCAACCCATCGTGCCAGCTTCGACATGTCCAACGAGGGTCTACTTCTTCGGC
GACAACGCAGAGGAATACGACAAC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Chromatograms:

https://cdn.origene.com/chromatograms/ja2557_a02.zip

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:



ACCN: NC_007360

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_007360.1, YP_308667](#)

RefSeq ORF: 1494 bp

Locus ID: 3654618

MW: 56.3 kDa