

Product datasheet for **VC102285**

NP (NC_006502) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	NP (NC_006502) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	NP
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 VC102285 represents NCBI reference of YP_145803 with codon optimized for human cell expression
 Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGCGCGACAAGGCATGACCTATAGCTTCGATGTGAGAGACAATACCCTCGTGGTGAGACGGAGCACCG
 CAACCAAGAGCGCATTAAAATTAGCTATCGGGAAGACCGGGCCACCAGCCTCCTGCAGAAGGCCTTCGC
 TGGGACCGAGGATGAGTTCTGGGTGGAGCTGGACCAGGACGTGTACGTGGACAAGAAGATCCGGGAGTTC
 CTGGTGGAGGAGAAAATGAAAGACATGAGCACCCGGGTGTCCGGCGCTGTGGCAGCCGCAATCGAAAGAA
 GCGTCGAGTTCGATAACTTCTCCAAGGAGGCCGCCGAAACATCGAGATGGCCGGCGTGGATGACGAGGA
 GGCCGGCGGGTCCGGCCTGGTGGACAACCGCGGAAGAACAAGGGGGTCTCCAACATGGCCTACAACCTG
 AGCCTGTTTATCGGCATGGTCTTCCCGCCTGACCACCTTCTTCTCCGCCATCCTGAGCGAGGGGGAGA
 TGTCATCTGGCAGAACGCCAGGCCATCATGCGGATCCTGGCCCTCGCCGACGAGGACGGCAAGCGGCA
 GACCCGGACCGGGGCCAGCGGGTGCAGATGGCCGACGTACCAAGCTGAACGTGGTGGACGCCAACCGGG
 AAGGTGAAGCAGGTGGAGGTGAACCTGAACGACCTGAAGGCCGCTTCCGGCAGTCCCGGCCAAACCGGA
 GCGACTACCGAAAGGGCAGGGCAGCAAGGCCACCGAGAGCTCCATCAGCAACAGTGCATGGCCCTCAT
 CATGAAGAGCGTGTGTCCGCCGACAGCTGTTCCGCCAGGCGTGAAGATGATGCGGACCAACGGCTTC
 AATGCCAGCTACACCACCTGGCCGAGGGCGCCAAACATCCAAGCAAGTACCTGCGGCACATGCGGAACT
 GCGGGCGGTGGCCCTCGACCTCATGGGCATGAAGCGGATTAAGAACTCCCCGAGGGCGCAAGAGCAA
 GATCTTCAGCATTATCCAGAAAAAGTCCGGGGCCGGTGCAGAACCAGGAGCAGCGGCTGCTCACCAGC
 GCCCTCAAAATCAGCGATGGCAGAAACAGTTCAGCGGATCATGGACACCCTCTGCACCAGCTTCCCTCA
 TGGATCCCCCGGACCACCAAGTGCTTATCCCCCATCTCCAGCCTGATGATGATACATCCAAGAGGG
 CAACAGCGTGTCCGCATGGACTTCATGAAAAATGGGGAGGACGCTGCAAGATTTGCCGGGAAGCCAAG
 CTCAAAGTCCGGGTGAACAGCACCTTACCATGTCCGTGGCAAGAACCTGTGTGGCCGTGAGCATGGTGG
 CCACCGCCTTTTGTCCGCCGACATCATCGAGAACGCCGTGCCCGGCTCCGAGCGGTACCGGAGCAACAT
 CAAGGCCAACACAACCAAGCCCAAGAAGGACTCCACCTACACCATTAGGGGCTCCGGCTGTCCAATGTG
 CGGTACGAGGCCCGCCGAGACCAGCCAGAGCAACACCGACCGGAGCTGGCAGGTCAACGTCACAGACT
 CCTTCGGCGGCTCGCAGTCTTCAATCAGGGGCCATCCGGAAATGCTGGGCGACGCCACAAGCGAAAC
 CACCAGCGTGAACGTGCGGGCTCTCGTGAAGCGGATCCTGAAGAGCGCCAGCGAACGGAGCGCCCGGCC
 GTCAAGACCTTATGGTCCGGGAGCAGGGGAAGAGCGCCATCGTGATTAGCGGCTGGGCGCTGTTACGA
 TTGACTTCGAAGGCGTGAAGAGGCTGAGCGGATCACCGATATGACCCCGAGATCGAGTTCGATGAGGA
 CGATGAGGAGGGAAGACATCGACATT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>VC102285 representing YP_145803
 Red=Cloning sites Green=Tags

MADKGMTYSFDVRDNTLVVRRSTATKSGIKISYREDRGTSLQLKAFAGTEDEFWVLDQDVYVDKIREF
 LVEEKMMDMSTRVSGAVAAAIIERSVEFDNFSKEAAANIEMAGVDDEEAGGSGLVDNRRKNKGVSNMAYNL
 SLFIGMVPALTTFFSAILSEGEMSIWQNGQAIMRILALADEDGKRQTRTGGQRVDMADVTKLNVVTANG
 KVKQVEVNLNDLKAARQSRPKRSDYRKGQGSKATESSISNQCMLIMKSVLSADQLFAPGVKMMRTNGF
 NASYTTLAEGANIPSKYLRHMRNCGVALDLGMKRIKNSPEGAKSKIFSIQKVKVRGRCTEEQRLLTS
 ALKISDGENKFRIMDTLCTSLIDPPRTTKCFIPPISSLMYIQEGNSVLAMDFMKNGEDACKICREAK
 LKVGVNSTFTMSVARTCVAVSMVATAFCSADIIENAVPGSERYRSNIKANTTKPKKDSTYTIQGLRLSNV
 RYEARPETSQSNTDRSWQVNVTDVSGGLAVFNQGAIREMLGDGTSETTSVNVRALVKRILKSASERSARA
 VKTFMVGEQKSAIVISGVGLFSIDFEGVEEAERITDMTPEIEFDEDEDEEEDIDI

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/ja1879_e09.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NC_006502

ORF Size: 1848 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_006502.1](#), [YP_145803](#)
RefSeq ORF: 1848 bp
Locus ID: 3170816
MW: 68.0 kDa