

Product datasheet for **VC102042**

N (NC_003461) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	N (NC_003461) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	N Protein
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 VC102042 represents NCBI reference of NP_604433 with codon optimized for human cell expression
 Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCCGGTCTCCTGTCCACCTTTGATACCTTCTCTAGTCGCCGAAGCGAGTCCATCAACAAGAGCGGTG
 GAGGTGCCATCATCCCTGGCCAGCGCTCCACTGTGAGTGTGTTACCCTCGGACCTTCAGTGACTGACGA
 TGGCGATAAGCTGTTGATCGCAACAACATTCCTGGCACACTCTCTTGATACCGATAAGCAGCACAGCCAA
 CGGGGCGGTTTTCTGGTCTCTCTGCTGGCCATGGCGTATAGCTCACCTGAGCTGTACCTACTACTAATG
 GCGTCAATGCGGACGTCAAGTACGTAATCTATAATATTGAGAGAGACCCTAAACGCACTAAAACAGACGG
 ATTTATAGTCAAGACCAGAGATATGGAGTATGAGAGGACTACAGAGTGGCTCTTTGGCCCAATGATCAAC
 AAGAACCCTCTTCCAGGGCCAGCGGGAACCGGATCTTGAAGCACTTCTGCAGACTTACGGATATC
 CTGCATGCCTCGGGCCATTATTGTTCAAGTGTGGATCGTCTGGTTAAGGCTATCACATCAAGCGCGGG
 GCTGAGGAAGGGTTTTTTAATAGGCTGGAAGCGTTCAGACAGGACGGAAGTGTAAAATCAGCTCTGGTC
 TTCACCGGAGATACCGTGAAGGAATTGGGGCTGTAATGCGCAGCCAGCAGTCTTGGTGTGAGTCTCATGG
 TGGAAACCCTGGTCACCATGAATACAAGCCGATCTGACTTGACCACCCTTGAGAAGAATATTCAGATCGT
 GGGCAATTACATCCGGGACGCGGGCTGGCAAGTTTTATGAATACAATCAAGTACGGGGTTCGAGACCAAA
 ATGGCTGCTCTGACCCTGAGTAACCTCAGGCTGATATCAACAACTGAGGTCCCTCGTAGACATTTATC
 TGTCAAAGGGCGCTCGGGCTCCATTTCATCTGCATCCTCAGAGACCCAGTTCATGGAGACTTCGCCCCGG
 TAACTATCCCGCTTTGGTCTATGCTATGGAGTTGCTGTTGTCCAGAACAAGCTATGCAGCAATAT
 GTAACGGCCGACGTACCTTGATATGGAGATGTTCTGCTGGGCGAGCCGCTGGCGAAAGATGCCGACT
 CCAAGATTAGTTCAGCTCTTGAAGAAGAGCTGGGCGTACTGATACTGCCAAGGAGCGGCTGCGCCATCA
 CCTTACAACCTCTCCGGTGGCGATGGCGCTACCACAAGCCACAGGGGAGGGGCAATCGAAGTGGCC
 ATCGACCATACAGATATTACCTTCGGAGTTGAGGATACTGCAGATAGAGACAATAAGAACTGGACTAATG
 ATTCTAATGAAAGATGGATGAACCATAGCATAAGCAACCATACTACTACTATCCGGGGAGCTGAGGAGCT
 GGAAGAAGAAACCAACGATGAGGACATAACAGATATTGAGAATAAAATCGCTCGAAGATTGGCAGATAGA
 AAACAGCGGCTTTCTCAGGCTAACACAAGCGGGATACTAGCAGCGATGCCGATTACGAGAACGACGATG
 ATGCGACCGCTGCCGCTGGAATCGGGGAATT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>VC102042 representing NP_604433
 Red=Cloning sites Green=Tags

MAGLLSTFDTFSSRRSESIKNSGGGAIIPGQRSTVSVFTLGPSVTDADKLLIATTFLAHSLDTDKQHSQ
 RGGFLVSLLAMAYSSPELYLTTNGVNADVKYVIYNIERDPKRTKTDGFIKTRDMEYERTTEWLFQPMIN
 KNPLFQQRRENADLEALLQTYGYPACLGAIIVQVWIVLVKAITSSAGLRKGFNRLEAFRQDGTVKALV
 FTGDTVEGIGAVMRSQQSLVSLMVETLVTMNTSRSDLTLEKNIQIVGNVYIRDAGLASFMNTIKYGVETK
 MAALTLNLRPDINKLRSLVDIYLSK GARAPFICILRDPVHGDFAPGNYPALWSYAMGVAVVQNKAMQQY
 VTGRTYLDMEMFLLGQAVAKDADSKISSALEEELGVTDTAKERLRHHLTNL SGGDGAYHKPTGGGAEVA
 IDHTDITFGVEDTADRDNKNWNTNDSNERWMNHSISNHTITIRGAEELEETNDEDITDIENKIARRLADR
 KQRLSQANNKRDTSADYENDDDATAAAGIGGI

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



ACCN: NC_003461

ORF Size: 1572 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_003461.1](#), [NP_604433](#)

RefSeq ORF: 1572 bp

Locus ID: 935258

MW: 57.6 kDa