

Product datasheet for **VC102059**

nucleocapsid protein (NC_001796) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	nucleocapsid protein (NC_001796) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	nucleocapsid 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 VC102059 represents NCBI reference of NP_067148 with codon optimized for human cell expression

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

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCCGCC**CGCATCGCC**

ATGCTGTCCTTGTTCGATACCTTCAACGCACGCAGGCAAGAAAATAAATAAGTCAGCAGGGGGCGCTATCATTCCCGGGCAAAAGAATACCGTGAGCATATTCGCATTGGGACCCACCATTACGGACGACAATGAAAA
GATGACCTTGGCCCTCCTCTTTCTTTCCACTCCTTGGACAACGAAAAGCAGCAGCACAGAGGGCTGGA
TTCCTCGTTAGCCTTCTGTCTATGGCTTATGCTAATCCAGAAGTACTGACTACTAACGGAAGCAATG
CTGACGTGAAGTATGTCATTTACATGATCGAGAAGGACCTCAAACGGCAGAAAATACGGTGGATTCTGTTG
GAAAACTAGGGAAATGGTGTATGATAAGACTACCGATTGGATTTTCGGCTCAGATCTGGACTGCGACCAG
GAGACCATGCTCCAGAACGGCCGAACAACCTCCACCATTGAAGATCTGGTGCATACATTCGGGTATCCAT
CCTGCCTTGGAGCCCTGATTATCCAGATATGGATTGTGCTGGTTAAAGCCATCACATCCATCTCTGGCCT
CCGCAAGGGATTCTTACCAGGTTGGAGCCCTCAGACAGGATGGGACTGTGCAGGCAGGACTGGTGCTC
AGCGGCGATACGGTTGACCAAAATCGGAAGCATTATGAGAAGTCAGCAGTCACTGGTAACACTCATGGTGG
AGACCTTGATTACCATGAACACCAGCCGAAATGATCTGACTACCATTGAGAAGAATATCCAGATCGTGGG
GAATTATATTAGAGACGCGGGCTCGCCAGCTTCTTCAATACCATCCGCTACGGGATAGAAAACGCATG
GCCGCGTGACTCTCCACATTGCGGCCAGATATCAATAGGTTGAAAGCGTTGATGGAAGTGTATCTGT
CCAAAGGTCCTCGGGCTCCCTTCATCTGTATCCTCAGAGACCCATTATGGCGAATTCGCCACAGGAAA
TTATCCAGCCATCTGGTCATACGCGATGGGCGTAGCCGTGGTGCAGAATAGGGCGATGCAGCAGTACGTG
ACCGGGCGGTCTTACCTGGATATCGATATGTTTCAGTTGGACAGGCTGTGGCTCGAGACGCTGAGGCTC
AAATGAGCTCTACACTGGAAGATGAGCTTGGCGTGACACATGAAGCAAAAAGAGTCTCTGAAGCGCCATAT
ACGCAATATAAATAGCTCCGAGACTAGCTTCCACAAAACCAACCGAGGGTCAGCCATTGAGATGGCTATT
GACGAAGAACCAGAGCAGTTTGAACATAGGTCTGATCAGGAGAGGGATGGCGAGCCCCAGAGTAGCATAA
TCCAGTACGCTTGGGAGAGGAAACCGCAGCGATGACAGGACTGAGCAGGATACGGAGTACAGATAACAT
TAAGACCGAGCAGCAGAACATCCGAGACCGATTGAATAAGCGGCTCAACGAAAAAAGAAGCAAGGGTCA
CAGCCTCTACCAATCCAACCAACCGACTAATCAGGATGAGATTGACGACCTCTTAAACGCTTTTGGAT
CCAAT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>VC102059 representing NP_067148

Red=Cloning sites Green=Tags

MLSLFDTFNARRQENITKSAGGAIIPGQKNTVSIFALGPTITDDNEKMTLALLFLSHSLDNEKQHAQRAG
FLVSLLSMAYANPELYLTTNGSNADVKYVIYMIKDLKRQKYGGFVVKTRMVYDKTTDWFIFGSDLDCDQ
ETMLQNGRNNSTIEDLVHTFGYPSCLGALIIQIWIIVLVKAITSISGLRKGFFTRLEAFRQDQTVQAGLVL
SGDTVVDQIGSIMRSQQLVTLMVETLITMNTSRNDLTTIEKNIQIVGNYIRDAGLASFFNTIRYGIETRM
AALTLSTLRPDINRLKALMELYLSKGPRAPFICILRDP IHGEFAPGNYP AIWSYAMGVAVVQNRAMQQYV
TGRSYLDIDMFQLGQAVARDAEAQMSSTLEDELGVTHEAKESLKRHIRNINSSETS FHKPTGGSAIEMAI
DEEPEQFEHRSDQERDGE PQSSIIQYAWAEGNRSDDRTEQDTESDNIKTEQQNIRDRLNKRLEKQKGS
QPPTNPTNRTNQDEIDDLFNAFGSN

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



ACCN: NC_001796

ORF Size: 1545 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_001796.2](#), [NP_067148](#)

RefSeq ORF: 1545 bp

Locus ID: 911955

MW: 57.8 kDa