

## Product datasheet for **VC101991**

### hypothetical protein (NC\_001458) Virus Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	hypothetical protein (NC_001458) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	hypothetical protein
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

**ORF Nucleotide Sequence:**

>The Viral ORF clone VC101991 represents NCBI reference of NP\_040902 with codon optimized for human cell expression

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

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**GCGATCGCC**

ATGGCCGTGTGGTTGCTGCTCAGAACAATTTTACCTCCCACCCAGCCGATAACTAAGATCCTGTCTA  
GTGACGACTACGTGTCCAGAACTAACATCTTTTACCATGCTACCAGTGATAGATTGCTCATTGTTGGTCA  
CCCCCTGTATGAGGTAAGTAGAGCCAATGACAACACAATGACAGTTCCTCAAAGTATCCCCAATCAGTAT  
CGGGTGTTCGAGTGGGTTTCCCGATCCCAACCGGTTCCGCTTCGGGGACAAGGACATCTTCGACCCTG  
AGACCGAGAGGTTGGTGTGGGACTGAGGGGATAGAGATCGCCCGGGTCAAGCTCTGGGCGTGGGTAT  
CAGTGAAATCCCCTGCTAATCGGTTTGACGACGCTGAGAACCCTTCAAGGTACAACAATACCCATGCA  
ACCGGAGACAATCGACAGAACGTGGCGTTCGACGCAAAGCAAACCCAGATGTTCCCTGATTGGATGTACGC  
CTGCAACTGGCGAACATTGGAGTATCGCTAGACGCTGCGCCGGCACTCAGTTCCAACCTGGGCGATTGCC  
TCCTATTGAGCTGGTCAACACTGTGATCGAAGATGGCGATATGTTTGATATTGGCCTGGGTGCCATGGAT  
TTTGGTCTCTCCAGGCAATAAGGCTGATGCTCCACTTGATATCGCAGGTACGGTTTGTAAATACCCCTG  
ATTACATCAAAATGGCCAGGAAGTTCACGGAACAGCCTGTTTTTTTTGCACGGCCGAGCAGATGTA  
CTTGAGGCACGTCTTCACTCACGCCGGAATTGTTAGCGAAAAAGAAAAGGTGCCAAGTCTGCATATATT  
GCAGCAAAAGCTGAGCAACCTCAAAACAGATCGCTACCATAATTACTTCGTGGCACCCAGCGGCTCTC  
TCGTGAGCAGTGATGTCCAAATCTCAACCGCCGATTTGGCTCCAGCGCTCCAAGGTGAGAATAATGG  
GATCTGTTGGCGCAACGAACTTTTCGTACAGTCGCCGACAATACTCGCGGACAACCATGAACATCAAT  
GTGCTTAATAAAGCGACCCCTGAGACATACGACTCCGAGATTATAACGAATATACCAGACATGTCGAAG  
AGTATGAACTCAGCTTTCATCGTTTCAGTTGTGTAAGTGAAGCTCACGCCAGAGAACCTCGCATTCTGCA  
CAACATGGATCCAACAATCATTGACTCTTGGCAGCTGACTGTGTACAACCACCTGCCAACGCGATAGAG  
GATAAATACCGCTTTATCGAATCACTGGCTACTAAGTGCCTGATAATGTTCTCCCCCACCCTACAG  
ACCCGTACAAAGATCTCAGGTTCTGGGACGTGGATCTTTCCGAAAGGATGTCTGAGCAGCTTGATCAGTT  
TCCCCTGGGTGAAAATTTCTGTATCAGTCTGGCCTGGCTCAGCGGTCTGTACCTAAAACAGTGAACCTT  
CGGAAGAGAAGATCCAGTAATACTACAGTAGCAAAGCGCAGGAGACGAGCT

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>VC101991 representing NP\_040902

Red=Cloning sites Green=Tags

MAVWLPAQNKFYLPITKILSSDDYVSRNIFYHATSDRLLIVGHPLYEVTRANDNTMTVPKVSFNQY  
RVFRVRFDPNRFAGDKDIFDPETERLVWGLRGIEIGRGQPLGVGISGNPLLNRFDDAENPSRYNNTHA  
TGDNRQNVAFDAKQTMFLIGCTPATGEHWSIARRCAGTQFQLGDCPPIELVNTVIEDGDMFDIGLGAMD  
FGSLQANKADAPLDIAGTVCKYPDYIKMQEVHGNLSLFFARREQMYLRHVFTHAGIVSEKEKVPYSAYI  
AAKAEQPQNTIATDNYFVAPSGSLVSSDVQIFNRPYWLQRSQQNNGICWRNELFVTVADNTRGTTMNIN  
VLNKATPETYDSADYNEYTRHVEEYELSFIVQLCKVKLTPENLAFLNMDPTIIDSWQLTVSQPPANAIE  
DKYRFIESLATKCPDNVPPPTDPYKDLRFWDVLDLSEMSQLDQFPLGRKFLYQSGLAQRVSPKTVNF  
RKRRSSNTTVAKRRRRA

**TRTRRLEQKLISEEDLAANDILDYKDDDDKV**

**Restriction Sites:**

Sgfl-MluI

## Cloning Scheme:



ACCN: NC\_001458

ORF Size: 1521 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\\_001458.1, NP\\_040902](#)

RefSeq ORF: 1521 bp

Locus ID: 1494575

MW: 57.6 kDa