

## Product datasheet for **VC101931**

### hypothetical protein (NC\_001457) Virus Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	hypothetical protein (NC_001457) 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)



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**ORF Nucleotide Sequence:**

>The Viral ORF clone VC101931 represents NCBI reference of NP\_040895 with codon optimized for human cell expression

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

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGAGTAGCTGGCTCTCTACCACTGGGAAGGTTTACCTGCCCCCGCTCAACCGTGCGAAGAGTTCTGG  
AAACAGATGAATATATCACAGGAACATCCCTGTATTTCCATGCAGGTAAGTACTGAGCGGCTGCTGACAGTAGG  
GCACCCGTAAGTCCAGTGAAGGACGTTCAAGAACCACACAAAGTCTGGTGCACAAAGTGTGAGGAAGT  
CAGTTCGGGTGTTTCGGTTCAATCTGCCCGACCTAACCGATTCCGACTGATCGACAATGGTTTCTATG  
ATAGCGATCACGAGAGACTCGTGTGAAACTGCGGGCATAGAAATTGGTAGGGGGGCTCTTTGGGCAT  
TGGAACGACCGGCCATCCCCTGTATAACAAATTCGGCGATACGGAGAACCCCAATGGATAACAAGAAGCAG  
AGTGATGACAACAGGCAAGATGTTTCCCTCGACCCAAAACAGACACAAATGTTTATTATCGGTTGTACAC  
CTGCCATCGGGGAACATTGGGACAAAGCCGAGCCTTGCCCTTACCTGCGCCACAACAAGGAGACTGCC  
TCCTATTGAGCTGGTGAACAGCTATATCCAAGACGGTGATATGTGCGACATCGGGTTCGGAGCCTTAAT  
TTTAAAGCGCTGCAAGCCGACAAGAGCTCCGCTCCACTGGATGTTATCGCCACAGTATGCAAGTGGCCAG  
ATTTTCTGAAGATGGGCAAAGATATATACGGCGATTCCCTGTTTTTTTTGGACGGAGGGAGCAGCTCTA  
CGCTAGACATTTTTTGTGCGCGCCGGGACAATGGGAGACGCACTTCCCGAACCGTTTGAAGCAACCAGT  
GACTACTTTATCGGTGCCGAGAACCAGCAGGATCAGTACACTCTGGGACCACACATCTACGTGGGCACTC  
CTTCCGGATCCCTTGTGATGTCAGAGAGTCAACTGTTCAACCGCCGTAAGTGGCTTAACCGCGCCAGGG  
AACAAACAACGGAATATGTTGGGACAATCAGTTGTTCTGTGACGCTGGTCGATAATACCCACAACACAAAC  
TTTACCATATCCGTTAAGAGTACGGAGCAAATGATAACTATCAATACAAAGTAGCGACTTCAACAGT  
ATTTGCGCCACATCGAGGAATTCGAAATGGAGTTCATTTTCCAAGTGTGCAAGGTTCCCTTACCGCCGA  
CGTGATGGCGCACCTGAATGTGATGAATCCTAACATTCTCGATAATTGGCAGTTAATTTCTGTCACCG  
CCTCCTAGTGGCATTGAGGACCAGTATAGGTTCTGCAGAGCCGCGCTACTAGGTGCCAACCCAGACCC  
CCGCTACTGAAAAAGAGGACCCATACAAGGACCTGTATTCTGGGTCTGGATTGAGCGAAAGGTTTCAG  
TTCTGAGCTGAGCCAGTTCTCCCTGGGTGCAAGGTTCTCTACCAGTACGGGCTCATAAATGGATCTTTG  
AAGCGCAAGCGCATTATTAGTAGTTCACGCTCAGACCAACACTAAGCGGTGAGCAAGCGCAACAGT  
CTCTGAAA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>VC101931 representing NP\_040895

Red=Cloning sites Green=Tags

MSSWLSTTGKVVLPAPQVVARVLETDEYITGTSLYFHAGTERLLTVGHPYFPVKDVQEPHKVLVPKVSGS  
QFRVFRFNLPDPNRFALIDNGFYDSHERLVWKLKRGIEIGRGGPLGIGTTGHPLYNKFGDTEPNNGYKKQ  
SDDNRQDVSLDPKQTMFIIIGCTPAIGEHWDKAEPSPAPQGDCCPIELVNSYIQDGMCDIFGAFN  
FKALQADKSSAPLDVIATVCKWPDFLKMGGDIYGDLSFFFRREQLYARHFFVFRAGTMGDALPEPFEATS  
DYFIGAQNQQDQYTLGPHIYVGTSPGSLVSSSQLFNRPYWLNRAGTNGNIGCWDNQLFVTLVDNTHNTN  
FTISVKSDGANDNYQYKASDFKQYLRHIEEFEMEFIFQLCKVPLTADVMHLNVMNPNILDNWQLNFVPP  
PPSGIEDQYRFLQSRATRCPTQTPATEKEDPYKDL SFWVVDL SERFSSEL SQFSLGRRFLYQSGLINGSL  
KRKRIISSSHAQNTNKRSAKRKRSLK

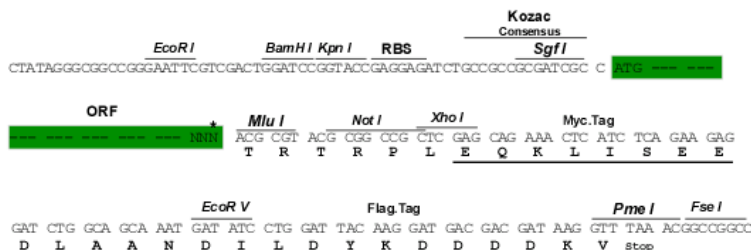
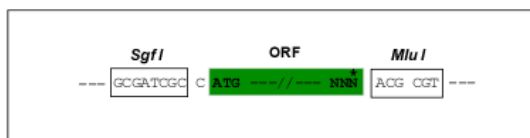
**TRTRRLEQKLISEEDLAANDILDYKDDDDKV**

**Restriction Sites:**

Sgfl-Mlul

## Cloning Scheme:

Cloning sites used for ORF Shuttling:



\* The last codon before the Stop codon of the ORF

ACCN: NC\_001457

ORF Size: 1548 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\\_001457.1](#), [NP\\_040895](#)

RefSeq ORF: 1548 bp

Locus ID: 1489455

MW: 58.5 kDa