

## Product datasheet for **VC102276**

### non-structural protein (NC\_002190) Virus Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	non-structural protein (NC_002190) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	non-structural 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 VC102276 represents NCBI reference of YP\_003572961 with codon optimized for human cell expression

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

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGGCCAAGGACATTCTTACACAGACAGGGGAGCCAGAATCCCTGAGCGAACTGCTGCGGAAAGAA  
CAAATGAGACCCACAGTTCACAAGGCATCAGTCCTTCCCTGCTTACTCCAGGCCAAACCAGGACCCCAA  
GCCTACTACAGAACAGTTGCTGAACATGTCAGAGGAACTGTTCCAATTTTCTGACGAAGAAGATAACAGT  
CAGACCCCCCGGACATCCACTCCAGAACAACAGACCCAAAAGTGTGTGGATAACCTCGGGATCA  
GGGAGGGCACCAGGCAACGGCACTATCCAGCTGGGGTCTGAATCAGAGACATCTTTGGGCAGCGTCGGAAA  
CAGCAACGACCGGGCAAGAAGCGGCAGAGAGGCATCACCTATATCTCAGACACTTCTGACTCAAGTGGC  
TCTGATGATGAGAATCTGGGAACGCTCATAGGAATAAAAGGACTCGGAATCTAATACTACAAAGGAAA  
CAGGAGGGGAGATAATAGGAGGCACCAGGAATCTGACCAGGCAGCAATGGGAATAGATTGGAGCCAAC  
GGACGGCGGCGAATCATGTTCAAGTGGGACCCAGCCTGACTTTATTGAGGGGACCCCTAACGGGCCAGAC  
GAAATGGACGGCCGGAGACTTGAAGAGAGCGAGATTGATAAGCAGGTGGAAGCACAACATGGTATACTT  
TTGTGATCCGGGAAAAGCCCCAGCCACGGAGGCTGAGCGGGCGGACTCCAAACTTTACAATCACTGACCA  
CGGCGATCATTGGCACATTACCTATTCGGTCAACCTACGAACAAAACCTAGGCATAGGGCAACCATTCTC  
GCTTACCTCGGAGTCACATTTGCTGCCCGCGCCAGGCGGAGGCCACAACCTGTGTTGGTTAGAAACATTA  
AACGCTGGATTCTGTATCTGATTCGCTACGGTATCGAACGGCTCTTACTTCGGGCTGGGACACGCCAT  
CTTTAAACGGATTATCAAATATTTCCAGCAGTACCGCGGGATGAAGACGCTGTGGACGGTCCCTGTCCC  
TATATGACCACTACACGGGAAGATCGCGCAGAGGAGAAAACCAAAGGAAAACCTGACAGAATACGACTATC  
TGCAGCATCTGGTTAAGACGAAGAGCGCGCACCGTGCAGGAGCTGGTGAACAAAACCTGGATGATGAGGA  
ATACAAAACAGCTTTGGACTCGAACGAGAGGCAATATAAGGACAAGCTGCGGGGGATCCTTACCTATTAT  
AATAACAAGAAGAAGAGCAACCAGTCTCAACTGTCCCTGATCACTAATTTGCAAAAACATATCTAAAAGGA  
AGCCTGATTATGATAACATGCAGTGGATTAATATATGCTGGCTAACACGACATTCGCGTACCGGAAAT  
CCTGGCCTGGATCATCATCGTGGCAGATAAAAAGCTTGATAAAAATAAATACTGGTGTCTCAAGGACCA  
ACAGGGACTGGGAAGTCACTGACGATCGGCGCCCTGCTTGCAAGTTGAACACAGGCCTTGTACTCGGA  
CTGGAGACAGTAACACCTTCCACCTTCAAGACCTGATTGGCAAACTCTACGCTCTGTTGAGGAGCCCGAG  
AATCAGTCAGATAACAGTCGACGATTTCAAACCTCTGTTGCAAGGCTCAGATCTTGAAGTGAACATCAA  
CACCAGGAGTCCGAAATCATGGGACGAATCCCAATCTTTATTAGCACCAACAAGGACATCGACTATTGGG  
TCCCACCCGCGATGGTAAAGCCCTCCAGACGAGAACAAAACCTTTTCATCTGACCCGCCAGATCAAGGG  
ACTGTCTGACAGGATGAACAGCCAGTATGACATTAATCCCCCTCTGACAAGATTACCTCTGACGACTTT  
CTGGGTCTGTTTCAGGAATATGAAAAAGAAATTGATGATATAATCGACAATCATGTTGCAAGATTTAACA  
AAAGCAACCTAAGGAGAAAATCCAGGAAGGCTGTACA

**ACGCGT**ACGCGGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >VC102276 representing YP\_003572961  
Red=Cloning sites Green=Tags

MAKDILHTRQGEPESELSELLRERTNETHSSQGISPSLLTPGPNQDPKPTTEQLLNMEELFQFSDEEDNS  
 QTPPRTSTPEQTDPKVCVDNLGIREGTNGTIQLGSESETSLGSVGNSNDRGKKRQRGITYISDTSDDSSG  
 SDDENLGTPHRNKRTRNSNTTKETGGDNRRHQESDHGSNGNRLEPTDGGESCSSGTQPDFIEGTPNGPD  
 EMDGRRLSESEIDKQVESTTWYTFVIREKQPRLSGRTPNFTITDHGDHWHITYSGHPTNKRHRATIL  
 AYLGVTF AARAEAEATTVLVRNIKRWILYLIRYGIERLSYFGLGHAIKRIKIYFQQYRRDEDAVDGPCP  
 YMTTTRDRAEEKPKENSAEYDYLQHLVKTKSARTVQELVNKLDDEEYKQLWTRTRGQYKDKLRGILTY  
 NNKKSNSQSLITNLQNIKRKPDYDNMQWIKYMLANNDIRVPEILAWIIIVADKKLKDINTLVLQGP  
 TGTGKSLTIGALLGKLTGLVTRTGDSTNTHLQNLIGKSYALFEEPRISQITVDDFKLLFEGSDLEVNIK  
 HQESEIMGRIPIFISTNKDIDYWVPPADGKALQTRTKTFHLTRQIKGLSDRMNSQYDINPPPKITSDDF  
 LGLFQEYEKEIDDIIDNHVRRFNKSKPKEKIQEGCT

TRRRLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NC\_002190

ORF Size: 1998 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\\_002190.2](#), [YP\\_003572961](#)

**RefSeq ORF:** 1998 bp

**Locus ID:** 1457862

**MW:** 75.8 kDa