

Product datasheet for **VC101990**

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)



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ORF Nucleotide Sequence:

>The Viral ORF clone VC101990 represents NCBI reference of NP_040901 with codon optimized for human cell expression
Red=Cloning site **Blue**=ORF **Green**=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGCTGCGGTGAGAAAACGAGAGCTGCTCCTCAGGACATCTATCCAGCCTGCAAAGTAGCTAATAATT
GTCCCCAGACATTCAAATAAGATTGAACAGACCACAGTGCCAGATAAGATTCTTCAATACGGAAGCTT
GGGAATCTTCTCGGAGGACTGGGGATCGGAACGGGCAAAGGAGGAGGAGGGAGATACGGTTACACCCCC
CTCGGCGACAGTGGCGGGTCCGAGTCGGAGGGCGGTCTACCCCGTTGACCAACAGTCCAGTCGAGA
CAGTTGGCCACGAGACATACTCCCGATTGATTCCTTGATCCTCTGGGACCAAGTGTATTGAGCTGGA
GGATATCCCCTACAACGGTCGAAGTCGTTGCTGAGGTGCATCCCATATCAGATACACCGCAGATTCCA
GCCCTACCACAGATGAATCCAGCTCTGCCGTGCTGCACATCCCCAGGAATCCCAGCCGCTCGGACAA
TTACGAGGAGCCAGTACAATAACCTCTGTTTCGCATTACGCAAGCGCTGACATAGCTTCTGGGGAGGC
CAGTGCCTCTGACAATATCTTATCGACGTGGACACACCCGGTCAGATCGTGGGTCAGGAGATCCCCTG
GTGAACCTCGACATGGGGCCAATATCTACAGAAGGTGAACCTGAAACTGAATTTACTACCTCAACACCAC
GCACCACACAGGTTCAAGAAAGGCTACACGCTTCTATAATCGGCGATATTACGAACAAGTGCCAGTGAC
TGCACCAGAGTTCATCACGCGCCTGCTTCTTGTGACCTTCGAAAATCCAGCGTTTCGAGCGGAGTGTG
TCCTTGATTTTCGAGCAAGATTTGGAAGACATCCTCAACGCTCCCGACAGGACTTTTCGGGACATCGTGT
ATCTCTCTCGACCAACGTACAGTCGGGCACCAGACGGACGAATGCGACTCTCCCGCTCGGCAGACGAGC
CACAAATCAGCACTCGCTCTGGGTGACCATCGGTGCACAGTCTCACTTCTATATGGACATTAGTTCAATC
TCCTCTAATGACGGGATCGAACTCCAGACTCTGGGAGAGGCATCCGGGAAACAGTTGTACAGAGTCCC
TGGCTGCAAGTGACCCCATCGAAGCCGAGCACAGCTTTCATCGAACCAGCCCCATCTATAGATAGCTATGA
TATCGTACGCTTCAGAGCGAAACCTATAGCGATGAGCACCTGCTCGATATGTACGAACAGTGGTTCT
AGCTTGCAACTGCAGATTTCTGATGTCCGCGCCGCGGACTGTGATTGACATCCCTTTAGACCTAGAC
GCCCTCTTTGGGACCAATCAACGCTGGCGTCGATATCTATTCCCAACTGCAAGCGTGGGGAGTCCAAC
GATTAACCCACGGATCTTGACATCCCCTGATTATAATTACCTGGATAAATAGTACTGGCGACTACGAT
CTCCATCCCTCCTGCGAAAGAGCGAAAGCTGGTGCACATT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>VC101990 representing NP_040901
Red=Cloning sites **Green**=Tags

MLRVRKRRRAAPQDIYPACKVANNCPDQNKIEQTTVADKILQYGLGIFLGGLGIGTGKGGGRYGYTP
LGDSGAVRVGGRSTPVRPTVPVETVGPDRDILPIDSLDPLGPSVIELEDIPATTVEVVAEVHPISDTPQIP
APTTDESSAVLHQPESPAARTITRSQYNNPLFRITASADIASGEASASDNIFIDVDTPGQIVGQEIPL
VNFDMGPISTEGELETEFTTSTPRTTQVQERPTRFYNRRYYEQVPVTAPEFITRPAASLVTFENPAFERSV
SLIFEQDLEDILNAPDQDFRDIYVLSRPTYSRAPDGRMRLSRLGRRATISTRSGVTIGAQSHFYMDISSI
SSNDGIELQTLGEASGETVVQSSLAASDPIDAEHSFIEPAPSIDSYDIVSLQSETYSDEHLLDMYEPVGS
SLQLQISDVRGRPTVIDIPFRPRRPLGPINAGVDIYSPTASVGSPTINPTDLDIPLIIIHLDNSTGDYD
LHPSLRKRRKLVHI

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



ACCN: NC_001458

ORF Size: 1512 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_040901](#)

RefSeq ORF: 1512 bp

Locus ID: 1494576

MW: 54.8 kDa