

Product datasheet for **VC102460**

NA (NC_007368) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	NA (NC_007368) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	NA
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 VC102460 represents NCBI reference of YP_308842 with codon optimized for human cell expression
 Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGAACCCGAATCAGAAAATAATCACAATCGGCAGCGTGAGCTTGACGATTAGCACCATCTGCTTTTTTA
 TGCAGATCGCTATCCTGATTACACAGTGACGCTGCACCTTAAGCAGTATGAATCAATCCCCTCCAAA
 CAACCAGGTGATGCTCTGTGAACCTACTATCATTGAAAGGAATATCACAGAGATCGTGTACTTGACAAA
 ACCACCATCGAGAAGGAAATGTGCCCTAACTGGCCGAGTACAGAACTGGTCCAAGCCCCAGTGTGACA
 TCACCGGGTTCGCACCTTCTCTAAAGACAATAGCATTGCGTTGTCAGCCGGGGGCACACTCTGGGTGAC
 ACGAGAACCGTATGTCTTTGCGATCCAGATAAATGTTACCAATTTGCTCTGGGTCAAGGTACAACCTTT
 AACACGTGCATTCCAATGACACCGTACACGATCGGACCCCTTACCGGACCTGTTGATGAATGAGTTGG
 GTGTCCCATTTACCTGGGGACGAAGCAAGTGTGTATCGCCTGGTCATCCTCCTCATGTCACGATGGAAA
 AGCTTGGCTGCAGTTTTGCGTGACCGGAGATGATAAGAACGCCACCGCATATTTATCTACAACGGTCGC
 TTGGTTCGACAGCATCGTCAGCTGGAGCAAAAAAATCCTGCGGACACAGGAATCTGAGTGTGTGTGCATCA
 ACGGAACTTGCACGGTAGTTATGACTGACGGCTCTGCGAGTGGGAAGGCTGATACAAAGATCTTGTTTCAT
 CGAGGAAGGCAAAATCATCCACACCTCTACCTTGAGCGGGTCTGCGCAGCACGTGGAAGAGTGCAGCTGC
 TACCCGAGATACCTGGAGTGGCATGTGTGTGTCGCGATAATTGGAAAGGATCTAATAGACCCATTGTCG
 ATATCAATATTAAGACTACTCTATTGTGCTTTCATATGTGTGTAGCGGGCTGGTGGGGGACACTCCCCG
 AAAAAATGACAGTTCTTCTAGTAGTCATTGTCTGGACCCTAATAATGAGGAAGGTGGCCACGGAGTCAA
 GGATGGGCTTTTACGATGGCAATGACGTGGATGGGACGACGATCTCCGAGAACTTCGATCCGGCT
 ACGAGACCTTTAAAGTGATCGAGGGTTGGAGTAAACCTAACAGCAAACCTCAGATAAACCCGGCAGGTCT
 CGTGGACCGAGGAAACCGGTCTGGTTACAGCGCATATTCAGTGTGGAGGGTAAAAGCTGTATCAACAGG
 TGTTTTCTATGAGAACTTACGAGGTCGCAAAGAAGAAACAGAAAGTCTTGTGGACATCTAACTCTATAG
 TCGTCTTCTGTGGGACCTCTGGCACGTACGGGACAGGCTCTTGGCCCGATGGTGCAGACATCAATCTTAT
 GCCATC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>VC102460 representing YP_308842
 Red=Cloning sites Green=Tags

MNPNQKIITIGSVSLTISTICFFMQIAILITTVTLHFKQYEFNSPPNNQVMLCEPTIIERNITEIVYLTN
 TTIEKEMCPKLAEYRNWSKPQCDITGFAPFSKDNSIRLSAGGDIWVTREPYVSCDPDKCYQFALGQGTLL
 NNVHSNDTVHDRTPYRLLMNELGVFPFLGKQVCIWSSSSCHDGKAWLHVCVTGDDKNATASF IYNGR
 LVDSIVSWSKKILRTQESECVCINGTCTVMTDGSASGKADTKILFIEEGKIIHTSTLSGSAQHVEECSC
 YPRYPGVRVCRDNWKS NRPIVDINIKDYSIVSSYVCSGLVGDTPRKNDS SSSSHCLDPNNEEGHGVK
 GWAFDDGNDVWMGRTISEKLRSYETFVKVIEGWSKPNKQLINRQVIVDRGNRSYGSGIFSVEGKSCINR
 CFYVELIRGRKEETEVLWTSNSIVVFCGTSYTYGTGSWPDGADINLMPI

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/ja2528_f02.zip

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:

ACCN: NC_007368

ORF Size: 1407 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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_007368.1, YP_308842](#)
RefSeq ORF: 1407 bp

Locus ID: 3655154

MW: 52.1 kDa