

Product datasheet for **VC101693**

vIRF-3 (NC_009333) Virus Tagged ORF Clone

Product data:

| | |
|---------------------------|---|
| Product Type: | Expression Plasmids |
| Product Name: | vIRF-3 (NC_009333) Virus Tagged ORF Clone |
| Tag: | Myc-DDK |
| Symbol: | vIRF-3 |
| 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 VC101693 represents NCBI reference of YP_001129413 with codon optimized for human cell expression

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

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGCTGGAAGGAGGTTGACATGGATTTTACAATTTCATTGTGGGCGCCCTGGACTCAGACAAGTATCCTT
TGGTTAAATGGCTCGATAGAAGCACTGGGACATTTCTGGCACCCCGACCCAGAAACGACGTAATACCGTT
GGACAGCCTTCAATTCTTCATAGACTTTAAGAGGGAATGCTTGTCTAAAGGACTGCACCCAGGGACTTG
CTGGGCTACCAATTACGGCCTTCGGGAAAATCTGCACTACATCACGCCGCTTGAGGAGGCTTCCAGGGG
AGGAATACGAGGTGGTCCAGGGCATCAATTGTCGGAGATGGCGACTGCTGTGCGCGGAGGTGAAAGAGTG
CTGGTGGTGTGTTACGCGCGCACCCACCTGCACTCTGGAAGCAGTCTGTGGGAGATTCTGTATCAGCAC
AGCGTCAGGCTGAAAAGCACCCGCCGCCGCCCTTCGTTGGCGAAAACAGTGACTCCTCTGAGG
AAGACCACCCAGCTTTCTGCGATGTCCCGTCACTCAGACAGGTCCGAGAGCGAAGACTCCGGCGACGA
AGGCCCGAGTACAGCACTCCGCTAGTGGCGTCCAGCCTGTGGACGATGCCAATGCTGATAGCCAGGC
TCTGGGGACGAAGGGCCTTCAACAAGACATTCGACTCACAACCCCTCCAGCAGATGAAACTACTGTCC
ACACCGACAACGTCGAGGATGACCTCACCTTGCTGGACAAAGAGTCTGCCTGTGCACTGATGATACCGT
GGGCCAGGAGATGGATATGCTGATGCGGGCCATGTGTGACGAAGACCTTTTTGACTTGCTCGGGATCCCC
GAAGATGTGATCGCTACTTCACAGCCAGGGGGGATACAGACGCATCTGGCGTGGTACAGAAAGGTTCTA
TTGCTGCATCTGCAGTGGGCGCAGGCGTGGAGGACGTGTACCTTGAGGGGCTCTTGAGGCCAAAATGT
GGCTGGCGAATATGTAATTGAGATATCTGACGAGGAAGTAGATGACGGGGCTGGGCTGCCCGGCCAGC
AGACGCCGACCACTGGTAGGCGAATTTCTCTGGGACGATGGCCCTCGGCGCCATGAACGCCCAACGACCA
GGAGAATAAGACACCCGAAGCTCCGCAAGTGCATATTACAGAGTTGCACGACCCCGTAATGATCACAGA
TAGGCTGGGTGTGGAGGTCTTCTACTTCGCGAGACCCGGCGATGAGCCTGGAAGTCGAGAGAAAAGTTTTT
ATTCTGTGCTCCCAGAATCCGCTCGCTGATATTAGCCACTCATGCCTGCACAGCAGAAAGGGCTGCGGG
TCTTGCTGCCAAGCCCGATGATAATAACAGGCCCGCGCATGTGAATCTGCTGGCCGCGTCTCAG
GAGTTTTGCTAGCGGGCTTGTCTCGTGAAGCCTTAGGAGCGGTATCTATGTGAAGAACTGTGTAAGTCC
ACCGTTCTGTACCAGGGAACAATCCACCGAAAAGTTCCGGCTGATCTGCGGACTTTCATCAAGAGCGG
TGCTCGATGTGTTAACGTCGCTCAGTACCGCATACAAGGCATGAGCACATCAAGAAGACTACTGTTTT
TATTGGCGGGGACCCACTAGCGCAGAACAGTTCGACATGGTCCGCTCGTGATTAACCTCGATTGAGG
AGCGTGACATGCGATGAT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>VC101693 representing YP_001129413

Red=Cloning sites Green=Tags

MAGRRLTWISFIVGALDSDKYPLVKWLDNSTGTFLAPAARNNDVIPLDSLQFFIDFKRECLSKGLHPRDL
LGSPITAFGKICTTSRRLRRLPGEEYEVVQGINCRRWRLCAEVKECWVCVHARTHLSHSGSSLWEILYQH
SVRLEKHRRRPRPFVGENSDSSEEDHPAFCDVPVQTGAESSEDSGDEGPSTRHSASGVQPVDANADSPG
SGDEGPSTRHSQSPPPADETTVHTDNVEDDLTLLDKESACALMYHVGQEMDMLMRAMCDEDLFDLLGIP
EDVIATSQPGGDTDASGVVTEGSAASAVGAGVEDVYLAGALEAQNVAAGEYVLEISDEEVDDGAGLPPAS
RRRPVVGFLWDDGPRRHERPTTRIRHRKLSAYYRVARPPVMTDRLGVEVFYFGRPAMSLVERKVF
ILCSQNPADISHSCLHSRKLRLVLLPKPDDNNTGPGDVNLLAAVLRSFASGLVIVSLRSGIYVKNLCKS
TVLYHGNPPKFGVICGLSSRAVLDFNVAQYRIQGEHEIKTTVFIGGDPTSAEQFDMVPLVIKLRRLR
SVTCDD

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NC_009333

ORF Size: 1698 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_009333.1, YP_001129413](#)

RefSeq ORF: 1698 bp

Locus ID: 4961493

UniProt ID: [Q2HR82](#)

MW: 62.5 kDa