

Product datasheet for **VC100944**

ORF4 (NC_001348) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ORF4 (NC_001348) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ORF4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>The Viral ORF clone VC100944 represents NCBI reference of NP_040127 with codon optimized for human cell expression
 Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCCAGCGCAAGCATTCTACAGATCCGGACGTCTCAACCATCTGTGAGGACTTCATGAATCTGCTTC
 CTGACGAGCCTTCAGACGACTTCGCTCTCGAGGTTACAGACTGGGCAAATGACGAAGCAATCGGCTCCAC
 ACCTGGCGAAGATAGTACGACATCAAGAACAGTGTACGTGGAGCGCACAGCTGACACCGCTACAACCCC
 AGATACAGCAAGCGGGCAGCGGCGACGCGAGTCATACCATCATAACAGACCAAAAACACTGGTGGTAG
 TACTTCCAGATAGCAATCACCATGGAGGCCGGATGTGAAACTGGTTACGCCGAATCGAACCGGCCA
 CCGACGATCATCTCGGAGCTATAATACTCAGAGCTCTCGAAAGCATCGCGACCGGAGTCTCTCCAATCGG
 CGCGACGCCCCACCACCCTCCAGCCATGACCACAGGTGAGAGGAATGACCAAACCCACGACGAATCAT
 ACCGACTGCGATTTTCCAAGCGGATGCACGGAGAGAACGAATTCGGAAGGAGTACGACATTCGCCGTTGA
 CCGGATTACAGGACGGGCAATCGAAGTCGTTAGCACCGCAGGCGCGTCCGTGACAATTGACTCCGTACGC
 CATCTGGACGAGACCATAGAGAAGCTCGTGGTGAGATATGCCACGATCCAGGAAGGCCACAGCTGGGCAT
 CTGGGGTGTGTTCCCTGGCATAAAGCAGAATACATCTTGGCCGAACTGATGCTCTATGGACACGAGCT
 CTACCGGACTTTTGAGAGTTACAAAATGGACAGTCGCATTGCACGGGCTCTGAGAGAGAGGGTTATCAGG
 GGGAAAGCCTCATCGAAGCGCTCGAGTCTGCAGATGAGCTTTTGACCTGGATTAAGATGCTCGCAGCTA
 AAAATTTGCCGATTTACACCAACAACCAATAGTGGCTACTTCAAAGTCACTGCTGGAGAACCTTAACT
 GAACTTGGACCGTTTGAAGATGTTTGTGCTCAACCGGATAATGACCTGGGTCCCGGACACTGCCG
 GAGTTGCTTAGACAGCAGAGGTTTAGCGACATTACCTGTATTACAACGTACATGTTGATGATGATCGGC
 GGATAGCCAACATAGTCGTACGGGAAGCAAGTTCGTTGAATATGACGATATTAGCTGTAATGTGCAGGT
 TCTCAAGAGTATACCCCGGCTCATGTCTGGCTGGGTCTGGAGGCCCTCATCACTACCAAAGAGAA
 TGTGGCCGGTTGAATGCACCCTGTCCACATGGGCTGGTCATTTGAGTGATGCCCGCCCTATGGAAAT
 ATTTAAGTGTAGTACGTTCAACTGC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>VC100944 representing NP_040127
 Red=Cloning sites Green=Tags

MASASIPDTPDVSTICEDFMNLLPDEPSDDFALEVTDWANDEAIGSTPGEDSTTSRTVYVERTADTAYNP
 RYSKRRHGRRESYHHRPKTLVVLPDSNHHGGRDVETGYARIERGHRRSSRSYNTQSSRKHDRSLSNR
 RRRPTTPPAMTTGERNDQTHDESYRLRF SKRDARRERIRKEYDIPVDRI TGRAIEVVSTAGASVTIDSVR
 HLDETIEKLVVRYATI QEGDSWASGGCFPGIKQNTSWPELMLYGHELYRTFESYKMSRIARALRERVIR
 GESLIEALESADPELLTWIKMLAAKNLPIYNNPIVATSKSLENLKLLKLPFVRCLLLNRDNDLGSRTLP
 ELLRQRFSDITCITTYMFVMIARIANIVVRGSKFVEYDDISCNVQVLQEYTPGSCLAGVLEALITHQRE
 CGRVECTLSTWAGHLSARPYGKYFKCSTFNC

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:


ACCN: NC_001348

ORF Size: 1356 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_001348.1](#), [NP_040127](#)

RefSeq ORF: 1356 bp

Locus ID: 1487672
UniProt ID: [P09310](#)
MW: 51.5 kDa