

Product datasheet for **VC101506**

U67 (NC_000898) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	U67 (NC_000898) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	U67
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>The Viral ORF clone VC101506 represents NCBI reference of NP_050246 with codon optimized for human cell expression Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTGGGTAATGTCCCAGGTCAGGTCCATGGAACCAGACCTGACCCTGGCAGCTGTTTATCAGGCAGCTG
CAAATCTTACAGAACAAGATAAGGAGATCTTCTCTGAAGCCGTGAAAACCTGCATTAGTGTGTGCAGTAG
CGCCGCCCCCTCTGCGCGGCTCCGGATGATAGAAACACCTACGCAGAACCTTATGTTTCGTCACCAGCGTT
ATCCCAAGCGGGTCCCTTCTGGGGAGAAGAAGCAAACTCAACATTGACGCTGCCTGGACAATCTCG
CTTTTCTTTTCGCTAATAAGAAGTCCAAAAAATGGCCCGGACTTACCTGCTGCAGAATGTTTCCCGGAC
CCAGGATCAGCAGGTGGCCATAAGCGGAACTTATATCCTCTACACCAAGAAGCACATTGAAACCTCACTG
ATGCTGGATAAGACAAAGCTTGTCAAGCAGATACTGGAGTACGCCGAGACCCCAATCTGCTGGGTACA
CCGATGTTTCGAGACTTGGAGTGTCTGCTGTGGCTGGTTTTTTCGGTCTAAGAGCTTTTCCAGTCAGA
TAGTTGTTTCGGATACTCCAAGACCGGGTACAACGCGGCTTTCCCAACCTGTTGCCACCCTATCTGTAT
GAGTGTGGCCAGAACAACGGTCTGTTCTCGGAATCGTCAAGCGTACGTATTACAGTGGTATAGCGATT
TTGACTTCTCTGCACTTGAATATCAGAGCGAGCGCGGCAGGATTCGGAGTCTTCTACGATTTGAA
GCAGAAATCTCTGAGCAGGAGATTTCCGTTCTGCCAGTGCCAGCCAGATGTGCATCTTCTGCGCACTG
TATAAACAGAACAAGCTCTCCCTGGAGTACGTGTCTGGAGATCTCAAGACAAGCGTTTTTCTCCCATCA
TTATCAAGGACTGCTTGTGCGTGCAGACAACTATCTCAACGACCCAGATGCTGCCAGGTAATAATCCTC
CGCCATTTTCTGTATACGATCTCCGCAAGCTGCTCTCAGCCTTGGTGATCAGCGAAGGGAGCGTAAGG
TTTGACATC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >VC101506 representing NP_050246
Red=Cloning sites Green=Tags

MWVMSQVRSMEPDLTLAAVYQAAANLTEQDKEIFSEAVKTAFSVCSSAAPSARLRMIETPTQNFMFVTSV
 IPSGVPSGEKTKLNIDAALDNLALSFANKKSKKMARTYLLQNVSRDQDQVAISGTYILYTKKHIETSL
 MLDKTKLVKQILEYAETPNLLGYTDVRDLECLLWLVFCGPKSFCQSDSCFGYSKTYNAAFPNNLPPYLY
 ECGQNNGLFFGIVQAYVFSWYSDFDFSALEISERARRRIRSLLYDLKQKFSEQEISVLPVASQMCIFCAL
 YKQNKLSLEYVSGDLKTSVFSPIIIKDCLCVQTTISTTQMLPGTKSSAIFPVYDLRKLKLSALVISEGSRV
 FDI

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NC_000898

ORF Size: 1059 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_000898.1](#), [NP_050246](#)

RefSeq ORF: 1059 bp

Locus ID: 1497067

MW: 39.6 kDa