

Product datasheet for **VC101415**

U67 (NC_001664) Virus Tagged ORF Clone

Product data:

| | |
|---------------------------|--|
| Product Type: | Expression Plasmids |
| Product Name: | U67 (NC_001664) 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 VC101415 represents NCBI reference of NP_042960 with codon optimized for human cell expression Red=Cloning site Blue=ORF Green=Tags(s) |

GACGTTGATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTGGGTCAATGTCTCAAGTGAGGTCCATGGAACCAGATCTTACCCTTGCAGCCGTGTATCAGGCCGCCG
CTAATCTGACAGAACAGGATAAAGAGATCTTTGCCGAGGCCGTCAGACTGCCTTCTCCGTGTGTTTCATC
CGCCGCCCTCTGCGCGCTGCGGATGATCGAGACTCCACCCAAAATTTATGTTTGTACATCTGTC
ATACCTTCTGGCGTGACCAGTGGGGAAAAGAAGACTAAGCTGAACATTGATGCCGCACTGGACAACCTCG
CCTTGTCAATTTGCTAATAAAAAGTCAAAGAAAATGGCCCGCACCTACCTCCTCCAGAATGTGCTTCGGAC
CCAGGATCAGCAGGTGGCGATAAGTGGCAAGTATATCCTTTACACCAAAAAGCACATTGAAACCAGCCTG
ATGATCGACAAAACAACTGGTGAAGAAGATTCTGGAATATGCGGAAACCCCAAACCTGCTGGATATA
CCGATGTGAGAGATCTGGAGTGTGCTCTGGCTGGTGTCTGCGGACCTAAAAGTTTTTGTGAGTCTGA
CTCTTGTGTTTGGTTACAGCAAACCGGTTATAACGCCGCTTCCCTAATCTGCTCCCTCCTATCTCTAC
GAGTGTGGACAGAATAACGGACTCTTCTTTGGATTGTCCAGGCCTATGTCTTTAGCTGGTACAGTGATT
TTGATTTTCTGCCCTGAAAATCAGTGAAGGGCCAGGAGAAGGATCCGCTCTCTTGTACGACCTGAA
GCAGAAGTTTGTGAGCAGGAGTTAGCGTGTGCTGTGGCCTCCCAAATGTGCATTTTCTGTGCCCTG
TACAAGCAAACAACTGTCCCTCGAGTATGTGTGAGGAGATCTCAAACCAAGTGTTCAGTCCCATAA
TCATTAAGATTGCCTCTGCGCCAGACAACCTCTCCACCCTCAAATGCTGCCTGGAACCAAGAGCTC
AGCAATCTTCCCGTGTATGATCTGCGAAAGCTGCTGGCGCTCTCGTCATTAGCGAAGGGTCTGTGAAA
TTTGACATT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >VC101415 representing NP_042960
Red=Cloning sites Green=Tags

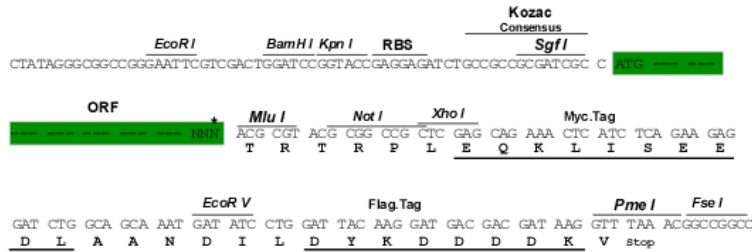
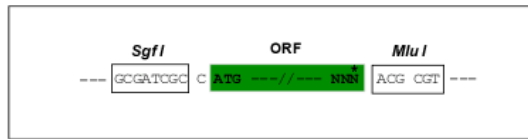
MWVMSQVRSMEPDLTLAAVYQAAANLTEQDKEIFAEAVKTAFSVCSSAAPSARLRMIETPTQNFMFVTSV
 IPSGVTSGEKTKLNIDAALDNLALSFANKKSKKMARTYLLQNVLRDQDQVAISGKYILYTKKHIETSL
 MIDKTKLVKKILEYAETPNLLGYTDVRDLECLLWLVFCGPKSFCQSDSCFGYSKTYNAAFPNNLPPYLY
 ECGQNGLFFGIVQAYVFSWYSDFDFSALEISERARRRIRSLLYDLKQKFAEQEVSVL SVASQMCIFCAL
 YKQNKLSLEYVSGDLKTSVFSPIIKDCLCAQTTISTTQMLPGTKSSAIFPVYDLRKL LGALVISEGSVK
 FDI

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NC_001664

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_001664.2](#), [NP_042960](#)

RefSeq ORF: 1059 bp

Locus ID: 1487948

MW: 39.5 kDa