

Product datasheet for **VC101607**

U67 (NC_001716) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	U67 (NC_001716) 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 VC101607 represents NCBI reference of YP_073807 with codon optimized for human cell expression Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGACACCGACATCGCACTGGCTGCCATCTACAAGGAAACGACGAAGCTGAATGAAAAGGACGCAAAGA
TATTCAGTGAGGCCGTCCAGACAGCACTACCGTGTGCAAGGCTACCGCCCCAATACCCGCCTCAAAC
CGTGGAGACACCCACCAACAACCTCCTCCTTGTACAAAATGTCGTTCCAAGCGAAACGAGCAAGGCAACC
ACTGAAGCTAATCTGAATATTGACGCCGCTTTGGAGAACTCGCCAGCAGCTTTAACACAGCGGTGCCAG
TGAAGTCTCTAAGAAATACTTGCTGCAGAACGTCGAAAAATGACAAGCGAGAACATCGCCCTGACTGG
GTCTTACATCATTACACAAAGAAACACATCGAAGTAGCCTTCTTGTGGACAAAAGCGACTTCGTCCAA
GATATACTTAGGTATGCTGAGACCCCGCCTGCTGGGCATACAGATGTGAGGGATCTGGAGTGTCTGT
TGTGGCTCGCTTCTGTGGTCCAATGCTCCTACTGCCAGGCTGACAATTGTTTCGGTCTTAATAAGGCCGG
TTACAATGCTCCATTTCCAATTCTGTTCCCTTGTATGTATGAGAGGAATATGAATCTTAGCGTTTTTC
TTCGGCCTCCTGCAGATCTACGTGTTCTCTGTACAGGGACTTCAGCGTGGAGAATAGTAACCTCCAAC
AAGGGATCAAGAAGAGAATAAAGCTGGTGTTCGACCTCCGAGCCAAGGAAAGGATTTGCGAAGAAGA
GATCGGCAATTTCCCTCTTGCTGCCAAATTTGCCTTTTCTGCGCTCTCTACCGCAAAAATAGACTGTGC
ATGGAGTACGCAGCGAACAATCTCAGCATGAGCGTCTTCTCCCTATCATTCTGAAAGATTGCACATTCA
TGACAGACCACTGTACCATCACACAGATCCTGCCTGGCAGCAAAGAAGCCATTATTTCCCTGTGTATGA
TATCGGTAATTTGTTGAGTGCCTGGTGTCTCTGAAAACGGAGTGCTGTCAAGCTG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >VC101607 representing YP_073807
Red=Cloning sites Green=Tags

MDTDIALAAIYKETTTLNEKDAKIFSEAVQ TALTVCKATAPNTRLKLVETPTNFFLLVTNVVPSKAT
 TEANLNIDAALKLASSFN TAVPVKSSKYL LQNVKMTSENIALTGSYIIYTKKHIEVAFLLDKSDFVQ
 DILRYAETPSLLGHTDVRDLECLLWLAFCGPM SYCQADNCFGLNKAGYNAPFPILFPPCMYERNMNL SVF
 FGLLQIYVFSLYRDFSVENSLQQGIKKRIKLVLSDLRAKERICEEEIGNFP LAAQICLFCALYRQNRLC
 MEYAANL SMSVFSPIILKDC TFMQT TTVTITQILPGSKEAII FVPYDIGKLLSALV FSENGVLLKL

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_001716

ORF Size: 1038 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_001716.2, YP_073807
RefSeq ORF: 1038 bp
Locus ID: 3289525
MW: 38.7 kDa