

Product datasheet for **VC101627**

U100 (NC_001716) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	U100 (NC_001716) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	U100
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>The Viral ORF clone VC101627 represents NCBI reference of YP_073827 with codon optimized for human cell expression

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

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGTTCAAGTGCATTATATTATTTTCGCCCTCCTCATCAAATCTGTACCAACACCGTGCCCTGGAGA
AGGCCCGGACCGCAATCACTTTGGAGGACATCATTGAGAACCTGATAAATGAAAACATGCACAATGCATC
CTCAACCAGATACATCGGTCTGAGCTCAGAAGAAAGACAGAGTCTGTTGGAATATACCCGGTGTACATCA
TTTAGTTGCGAATGTGAGTGGCCCGACGAGGCACAGGTCACTCTTCTTGAGACAACACTTTGTATCCCC
TTAAGGAGAACAGCCTGGGCGTAAGAGGACTGCGAGAGAAAATTATGAGCAAGGGATTGTCTGAGGTGCT
TTCCGTCCTACAGGGCTGCATTACAGTCTCCTGAATGGCGGCTTTGGATCTAAGCAGAACTCACTGCTC
TATGTCAAGAGGATGAATACTGCAAATATTTTGACATCTCTCGTCTGTTTCTGCTAGGCATAGATGGG
AAAGGAGAGAACAGTATACCCAGTCTCCGCACAATGTGAGTGCAGATTAGGGCCGACTTAAAGAAGAT
GCGGAGTTACTCTGGAATCGCGTTCGGACTCAGATCAGCTGGCCATAGTGCGAAAGGACAACAAAGGA
TACGAATGGGAGACATGCATGCAATTCTCCAGTGGAAAGGAAGAGGACTTCAACATTCCAAGGTAACA
TGACTAGTGAGAAACCACTCTATGATGCGTGTGCCCGACAAGAATAAGTACGCGAAAATACAACATA
TGCTTGGAGGTGGTCCGAACACCCGTGGACCGAAACCACCATCGAGCCCTGGAGGGACATTGACATCATT
AGACAGATTCCAACCGATGAACGCTGTCTGACCAATACGACGGTGTTCATCAACGTATGGGCAGATCT
GGTGCTCACCCAAGAATGATACCACCGGAGAAATATGTGACAACACTGTGATTTTGTTCGAATCGCACT
CCTGAAAATCGAGAGACTTTTCGACACAATTGGGCAGAAGACCGTCCAGGATATGTTCCCTCACCCCTCAC
AGACAAAAGCTTCTCCAATCGAGAATTCGACCCAGCCATAGTGTGATGCTATGTGGCAAGATTTCCCCAGCA
AAATCTCCACGACTGACCTGCAATACGATGTCTGCTGACGCCCTCAAGGACTTTGGTCCATGCTCTAT
CAAAATTAAGACAGACAGTGCAAAGACCGAGTTTGACAACGCGCGACTGTTGACAATTGATACACTTCTC
CTTACCTTCTTAAGAAGGACGATCGGACCACTAAAAACTGATATCTAATAAGTCTCTTAACGCTCAGC
TCTGCAACACAAGTGAGCTCCAGCTGCCTAAGCTGGAATCCTGCTGCGACGAATATCTGAGGTTTACCGA
CGGAGATGTGATAGAAGTACCTGTGACGACGGAACATTATATACCAGGCCGGGGTATAACCTACTGC
ACCCCGATTTATACCTCAACCACAATTATTCACGAAATAAAACCGACTCTAACAACAAGCCTACAAGA
CGCAACCTATGCCGCCCTGGATAGACCTTAACAAGGCCTCAGCTGGGAGGGCATTAAAGCAGCAAGGAT
TAATAGCAATTACGGAGCAAATGAGGACCAACTCCTAACTGCTTGAGGTTGAAGAATTTTTGACTAT
ATTTACGAGGCTACTTGTACGACCGTAGAGATGAGATATCCTGAGAGGAAGGCGCAGCAAGTGTTCCTCA
GTAGCAAGGATAGCAAGAAATCTTTAAAAGCAGTGTCAAGAGGCAAGACAGGGACATC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>VC101627 representing YP_073827

Red=Cloning sites Green=Tags

MVQLHYIIFALLIKICTNTVPLEKARTAITLEDIENL INENMHNASSTRYIGLSSEERQSLLLEYTRCTS
FSCECEWPDEAQVILLETTLCIPLKENS LGVRGLREKIMSKGLSEVLSVTTGLHYSLLNGGFGSKQNSLL
YVKRMNTANIL TSLVLPARHRWERREYQTQSSAQCELQIRADFKMRSYSGIAFRTQISLAIVRKDNKG
YEWETCMQFSQWKEEDFNIPKVNMTSEKPLYDACCPCDKNKSRENTTYAWRWSEHPWTETTIEPWRDIDII
RQIPTDERCLTNTTVFQSTYQIWCSPKNDTARNYVTVILFP IALLEIERLFDITIGQKTVQDMFPHPH
RQSF SNREFDPAIVSAMWQDFPSKISTDLDQYDVL LTPSKDFGPCSIKIKTDSAKTEFDNGRLLTIDTLL
LTFLLKDDRTTKKLI SNKSLNAQLCNTSELQLPKLESCCDEYLRFTDGDVIELTCDGNI IYQAGGITYC
TPIYSTTIIHEIKPTPNKPTKQPMPPIIDLNKAFSWEGIKAAARINSNYGANEDPTPKLLEVEEFFDY
IYEATCTTVMRYPERKAQVFASSKDSKFFKSSVKRQNRDI

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: 1809 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_073827](#)
RefSeq ORF: 1809 bp

Locus ID: 3289545

MW: 69.5 kDa