

## Product datasheet for **VC101437**

### **U100 (NC\_001664) Virus Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	U100 (NC_001664) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	U100
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide  
Sequence:

>The Viral ORF clone VC101437 represents NCBI reference of NP\_042993 with codon optimized for human cell expression

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

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGGCCACAGCCCGCTTGAGTGCTATGAAACCACCTCGCTCTTGTGCCCTGATCTTCCTGTGCGCATTCA  
GTATGGCTACAGCTCCAATAATGCCACCCTCACAGACGGGCGGGCACAGTGAAATCCACGCCACCTCC  
TGAAGACAAACATAGCTACACGGCAAAGTATTATGATAAGGATATCTATTTTAAACATATACGAGGGACGG  
AACAGCACTCCTCGCCGACGACTTTTACGAAATTTAGTAAGTTTAGTACTAGCGAAATGCTTAGTC  
TGAAAAGAGTGAAGGCTTTCGTTCCCGTGGATGAGAACCCACAACAACGCTCGAAGACATCGCGGATAT  
TCTGAACACGCCGTTTTCGATGACAACAGTTGTGGCTGCACATTGAGACGCAGGCCAGAATAATGTTT  
GGCGACATCATTATCTGTGTGCCACTCTCAGCCGACAATAAGGGCGTACGAAACTCAAGGACCGGATAA  
TGCCGAAGGGCCTGAGTCAGATCCTCTCCTCTTCCCTTGGCTGCACCTGAGTCTGCTGTACGGCGCCTT  
CGGGAGCAACTATAATAGCCTGGCTATATGCGGAGACTGAAGCCTCTGACAGCTATGACAGCTATCCGC  
TTTTGTCCATGACCACGAAACTGGAATTGAGACAAAATTACAAAAGTCAAGGAGACGTTGTGTGAGCTGA  
TTGTGTCTATTGAGATCCTGAAAATCCGGAACAATGGAGGACAGACCATGAAGACTTTGACATCCTTTGC  
CATTGTGACGAAAGATAATGACGGGACGACTGGGAACTGTACTCGGTTTGCCCCGTAACATCGAG  
GACATTCTTAGATATAAGAGGGTCGCAATGACACCTGCTGTCCGCATCGCGATGTGCAGCATGGACGAA  
GGACACTGGAGAGTAGCAACAGTTGGACACAGACCCAGTATTCGAGCCGTGGCAGGATATTGTTGACGT  
GTACGTGCAATCAACGATACACACTGCCCAACGATTCTTACGTGGTATTTGAGACTCTGCAGGGATTC  
GAGTGGTCTCTCGACTTAATAAGAACGAGACGAAGAATTATCTCAGCTCTGCTGGGTTCCGAAACG  
CACTGTTTCGAGACGGAGGAACCTCATGGAGACTATTGCCATGCGGCTTGCATCTCAGATCCTCAGCATGGT  
CGGTCAGCAGGGCACCACTTAGGGACATCGACCCTGCCATAGTGTAGCGTTGTGGCACAGTCTCCCG  
GAAAACCTTACCAGACTAACATAAAGTACGACATCGCAAGCCCCACACATATGAGGCCGGCTTTGTGCA  
CAATATTTGTTCAAACCGGAACATCAAACAGAGATTTGCAATGCTGGGCTGCTCATGGTGAACAATAT  
TTTCACAGTGCAGGGCCGCTACACGACCCAGAATATGTTTGAACGCAAGGAGTACGTCTATAAACATCTG  
GGTCAGGCACTTTGCCAGGACGGGAGATCTTGTTCAGAATGAAGGACAGAAGTTCTGTAGACCCCTGA  
CCGACAACAGGACTATCGTTTATACCATGCAGGATCAGGTACAGAAGCCGCTGAGCGTGACTTGGATGGA  
CTTTAACCTTGTGATTTACAGACTACGGAAGGGATGTAATCAACAACCTGACTAAGTCCGCAATGTTGGCA  
CGCAAAAACGGACCTCGGTATCTCCAGATGGAAAATGGTCCAAGATATCTTCAGATGGAAAACCTTCA  
CGGATCTTTTTCCGACAGAGTGTATCAGGACAATTATTATGTGCTGGACAAGAAGCTGCAGATGTTCTA  
CCCCACCACATAGCAATGAACTGCTGTTCTACCCTTACAGGGCGACGTTGCCCTCCCCATGGCAGGAG  
CCACCGTTCAGTCCCTCGCCGGAGCAACCTTCCAAGCCGGTGGTATTGGCTTCTGCTGAACATACA  
CAAATAT

**ACGCGT**ACGCGGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >VC101437 representing NP\_042993  
Red=Cloning sites Green=Tags

MATARLSAMKPPRSICALIFLCAFSMATAPTNATAHRRAGTVKSTPPPEDKHSYAKYYDKDIYFNIYEGR  
 NSTPRRRTLSEIISKFSTSEMLSLKRVKAFVPVDENPTTLEDIADILNYAVCDDNSCGCTIETQARIMF  
 GDIIICVPLSADNKGVRNFKDRIMPKGLSQILSSSLGLHL SLLYGAFGSNYNSLAYMRRRLKPLTAMTAIR  
 FCPMTTKLELRQNYKVKETLCELIVSIEILKIRNNGGQTMKTLTSFAIVRKDNDGDWETCTRFAPVNI  
 DILRYKRVANDTCCRHRDVQHRRRTLESSNSWTQTQYFEPWQDIVDVYVPINDTHCPNDSYVVFETLQGF  
 EWCSRLNKNETKNYLSVVGFRNALFETEELMETIAMRLASQILSMVGQQGTTIRIDPAIVSALWHSPL  
 ENLTTTNIKYDIASPTHMPALCTIFVQTGTSKQRFRNAGLLMVNNIFTVQGRYTTQNMFERKEYVYKHL  
 GQALCQDGEILFQNEGQKFCRPLTDNRTIVYTMQDQVQKPLSVTWDFNLVISDYGRDVINNLTKSAML  
 RKNGPRYLQMENGPRYLQMETFISDLFRHECYQDNYVLDKKLQMFYPTTHSNELLFYPSEATLPSWPQE  
 PPFSSWPPEPTFPRWYWLLLNNTNY

TRRRLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**



**ACCN:** NC\_001664

**ORF Size:** 1968 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\\_042993](#)

**RefSeq ORF:** 1968 bp

**Locus ID:** 1487972

**MW:** 75.6 kDa