

Product datasheet for **VC101531**

U100 (NC_000898) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	U100 (NC_000898) 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 VC101531 represents NCBI reference of NP_050271 with codon optimized for human cell expression
 Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAGGCCCGGAGACGGAGCGCTCCAATTCTGTGTGCGGATCTCTATGGCCACAGCCCTGAGCAATG
 CGACCGTTACCCGAGACGCTGGTACTGTAGAGAGCACCCCTCCGCCTGATGACGAGGATAACTATACAGC
 TAAATACTACGATGACTCTATTTACTTTAACATTTACGATGGAACAAACCCACCCCAAGCGCGGACG
 TTGCCGGAGATCATAAGTAAGTTTAGTACTTCCGAGATGTCCCGACTGGGAGGCCCAAAGCTTTTGTGC
 CCGTAGATTATACCCCACTACAACACTGGAGGATATAGAGGACCTGCTCAATTATGCTATCTGTGACGA
 TAATAGTTGTGGGTGCTTATTGAAACAGAGGCAAGGATCATGTTCCGGGACATCATTATTTGTGTACCA
 CTTTCAGCAGAATCCCGGGGGTGCACAACCTTAAATCACGCATTATGCCTATGGGTCTCTCAAATCC
 TGTCAGCGGGCTCGGACTGCATTTTAGCTCCTCTATGGAGCCTTCGGCAGCAACTACAACAGCTTGGC
 TTACATGGAGCGCTGAAACCTTTACCCTCAATGACCGCAATTGCATTCTGCCCAATGACCTCAAAACTG
 GAGCTCAGGCAGAATTACCGCCTCGAGAAGGCACGATGTGAACCTGATCGTGAATATCGAGCTGCTGAAAA
 TCCAAAACACGGGGGACAGACCATAAAGACACTCACCTCTTTGCAATCGTTCCGAAAGGACTCCGATGG
 CCAGGACTGGGAGACATGTACACGCTTCGCATCCGTTAGTATCGAGGATATTCTGAGAAGCAAACCGGCC
 GCGAACGGAACCTGCTGCCACCTCGCGATGTGCATCATGACAGACCTACCTGCAGTCTCAAATTCCT
 GGACCAGGACCGAGTATTTGAAACCTGGCAGGATGTGGTGGACGCCTACGTACCCATCAATGATAATCA
 TTGCCCTAATGATAGCTACGTAGTGTTCAGACACTTCAGGGCCATGAGTGGTGTCAAGGCTTAAACAAG
 AACGATACTAAGAACTACCTCTCCAGTGTCTTCTTTCAAAAATGCTCTGTACGAGACAGAGGAGCTGA
 TGGAAACCATCGGGATGCGATTGGCTTCCAGATACTTTCAATTGGTGGTTCAGCGGGGACCTCTATACG
 GAATATTGACCCTGCCATTGTGTCCGCCCTGTGCATAGTTTCCCGGAGAAGTTGACCACTACTAACATT
 AAGTACGACATTGCTAGTCCGACTCACATGAGCCCTGCACTGTGCACAATTTTCCAGACAGGCACCT
 CAAAGCAGAGATTCAGAAACGCCGCTTCTGATGGTCAATAATATATTTACCGTCCAAGCCAGATACAG
 CAAGCAGAACATGTTGAAAAAAGATCTATGGATACGAGCACCTGGGACAGGCACCTTTGTGAAGATGGA
 GAGATTCTGTTCCAGAATGCAGGACAAAATTCTGTAGACCATTACAGATAACAGAACAATCGTCTATA
 CAATGCAGGATCAGTTCAGCGCCCTGGTCCGTAACATGGATGGATTTTAACTGGTATATCCGATTA
 CGGCCGAGCCGTGATAGAAAATCTGACAGAATCAGCTATGAGCGCACATAAAAATGGACCAAGGTATCTG
 CAGATGGAGACCTTCATCAGCGACCTTTTCGATACGAGTGCCATCGCGACAACAGGTACGTACTCGAGA
 AGAAACTTCAGATGTTCTACCCTACCACGCACATGAATGAGCTGCTGTTTTACCCTAGTGACCCCACTCT
 GCCCTACCATACGGTAATGGCACTAT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>VC101531 representing NP_050271
 Red=Cloning sites Green=Tags

MRPPRRSAPILVCAISMATALSNATVHRDAGTVESTPPPDEEDNYTAKYYDDSIYFNIYDGTNPTPRRRR
 LPEIISKFSTSEMSRLGGLKAFVPVDYPTTTLEDIEDLLNYAICDDNSCGCLIE TEARIMFGDIIICVP
 LSAESRGLVRLKSRIMPGLSQILSSGLLHFSLLYGAFGSNYSLAYMERLKLPLTAMTAIAFCPMTSKL
 ELRQNYRLEKARCELIVNIELLKIQNHGGQTIKLTSAFIVRKSDSDGQDWETCTRFASVSIEDILRSKPA
 ANGTCCPPRDVHHRPTLQSSNSWTRTEYFEPWQDVVDAYVPINDNHCNPDSYVVFQTLQGHWC SRLNK
 NDTKNYLSSVLA FNALYETEELMETIGMRLASQILSLVGQRGTSIRNIDPAIVSALWHSLPEKLTNTNI
 KYDIASPTHMSPALCTIFIQTGTSKQFRNAGLLMVNNIFTVQARYSKQNMFEKKIYGYEHLGQALCEDG
 EILFQNAGQKFCRPFDTNRTIVYTMQDQVQRPWSVTWDFNLVSDYGRAVIENL TESAMSAHKNGPRYL
 QMETFISDLFRYECHRDNRYVLEKLLQMFYPTTHMNELLFYSPDPTLPSPYGNHGY

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NC_000898

ORF Size: 1848 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_050271](#)

RefSeq ORF: 1848 bp

Locus ID: 1497092

MW: 70.0 kDa