

## Product datasheet for **VC101435**

### U94 (NC\_001664) Virus Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	U94 (NC_001664) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	U94
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 VC101435 represents NCBI reference of NP\_042987 with codon optimized for human cell expression  
 Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGTTTTCTATAATTAACCCAGCGATGACTTTTTGGACAAAAGATAAGTACATTATGCTTACTATCAAAG  
 GCCCCATGGAGTGGGAGGCAGAAATTCCTGGCATCTCTACTGACTTTTTTTGCAAGTTCTCAAATGTCAG  
 TGTTCCCCACTTCCGCGACATGCATTACCAGGCGCACCCGACATTAAGTGGATTACTGCATGTACGAAG  
 ATGATCGACGTTATTTGAATTACTGGAATAAAGACCGCAGTGCCTACACCTGCCAAGTGGTATGCTC  
 AGGCGGAAAACAAAGCGGGTAGACCTAGCCTGATTCTGCTGATTGCTCTCGATGGTATACCCCTCAGCAAC  
 GATCGGAAAACACACAACAGAGATTAGAGGCGTGCTTATTAAGGATTTCTTCGACGAAAATGCTCCGAAG  
 ATAGACGACTGGTGCACCTATGCGAAGACAAAAAATGGCGGAGGGACACAGGTCTTCAGCCTGAGCT  
 ATATTCCTTTTGCTCTGCTGCAGATCATCCGGCCACAGTCCAATGGGCTTGACCAATATTAACGAACT  
 GGGAGATGTGTGCGATGAAATTCATCGCAAGCACATAATTAGCCACTTCAATAAAAAACCTAATGTGAAA  
 CTGATGCTGTTTTCAAAGGATGGCATTAAATGGCATCAGCTTGAAGTCCAAGTTTCTGGGCACCATCGAGT  
 GGCTCTCCGACCTGGGAATCGTGACTGAGGACGCTGGATAAGAAGGGACATTAGAAGTTACATGCAGCT  
 GCTCACTTTGACTCACGGGGACGTCCTTATCCATCGCGCTCTTAGCATTGCCAAAAAGCGCATCCGCGCC  
 ACCCGCAAAGCCATTGACTTTATGGCCACATTGATACCGACTTTCAAATTTACGAAAACCTGTTTACC  
 AGCTGTTCTGTTGCAATCCTTCGATCCTATCCTGGCGGGTACCATCCTCTACCAGTGGCTCTCACCG  
 CGGAGGAAAAAAGAACTGTGAGTTTTATAGGCCCCCTGGCTGCGGCAAGAGTATGCTGACAGGCGCT  
 ATCCTCGAAAACATTCTCTCCACGGAATCCTCCACGGCTCCCTGAATACCAAGAACCTGAGAGCTTACG  
 GCCAGGTCTTGGTCTCTGGTGGAAAGATATTTCCATAAATTTGATAATTTCAACATAATTAAGTCACT  
 CTTGGGCGGCCAAAAAATAATATTCCCATCAACGAAAACGACCACGTCAGATAGGCCATGTCCATT  
 ATTGCCACGAGCTGCGTGGACATAAGGTCTATGGTCCATTCTAACTTGCATAAGATTAATCTGTCCAGC  
 GGGTGTACAATTTACCTTCGATAAGGTAATCCCCGCAATTTCCCGTGATTGAGAAAGATGACATTAA  
 TCAGTTTCTGTTTTGGGCACGAAATCGCTCTATAAACTGTTTCATAGATTACACAGTACCAAGATACTG

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>VC101435 representing NP\_042987  
 Red=Cloning sites Green=Tags

MFSIINPSDDFWTKDKYIMLTIKGPMWEAEIPGISTDFFCKFSNVSVPHFRDMHSPGAPDIKWITACTK  
 MIDVILNYWNNKTAVPTPAKWYAQAENKAGRPSLILLIALDGIPTATIGKHTTEIRGVLIKDFFDGNAPK  
 IDDWCTYAKTKKNGGGTQVFSLSYIPFALLQIIRPQFQAWTINELGDVCEIHRKHIIISHFNKKPNVK  
 LMLFPKDGINGISLKSFLGTIEWLSDLGIVTEDAWIRRDIRSVMQLLTLTHGDVLIHRALSIKKRIRA  
 TRKAIDFIAHIDTDFQIYENPVYQLFCLQSFDPILAGTILYQWLSHRGGKNTVFSFIGPPGCGKSMGTGA  
 ILENIPLHGILHGSLNLTNLRAYQVLLVWVKDISINFDNFNIKSLGGQKIIFFPINENHVIQGPCPI  
 IATSCVDIRSMVHSLNHLKINLSQRVYNFTFDKVIIPNFPVIQKDDINQFLFWARNRSINCFIDYTVPKIL

**TR**TRRLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**


**ACCN:** NC\_001664

**ORF Size:** 1470 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\\_042987](#)

**RefSeq ORF:** 1470 bp

**Locus ID:** 1487970

**MW:** 55.8 kDa