

## Product datasheet for **VC101595**

### **U54 (NC\_001716) Virus Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	U54 (NC_001716) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	U54
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 VC101595 represents NCBI reference of YP\_073795 with codon optimized for human cell expression  
 Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGAAAAGTTGTTATGTGGTGTGGTCTCTATTTTCTGCAGCTGAAATTGACGGCCCCGATCCTTCTCA  
 AGCCACGAGAAATCCGCTGCCTCAGAACCAGGGTTGTCTATTCTGTCTCAACAGTCAACATTCGTGTGCAT  
 GTGCCGGGACGAAGGATCCTTTACCGCTGCTTATTTACCTACATAGATCTCCGCGACTGCGGTAATGTG  
 ACGCTCGCAGTCCAAAACATTTACAGCCTGATCTCGATCTGAAACAGTCCCCCTGATTATCAACCTCT  
 TCGCATTCTTTCTTCTAGCATTAACTGGTTAGCCTGCCTGTGCAAATCGTGAACGCATGGAACACAA  
 TTACATCCACACGGAGAATGTCGCGCGCAATTCATCTTGTACGGAAGCCAGACCAAACCTAGAGCTCAC  
 ATTAAGAGGATAAGGTGGACTGAACTGCAGCACGAGGAGCAACTCATTACATGTATGCTTGGGAGTTTT  
 GGATCGACCTTCAAACACACCCCGGATCAGATTTTTAATTCTGCCAAGGTGGAGTTTATCAGCTCCCG  
 GAACGTGTACTTTAAACAGATAATGCTCCACGAAAAGATACTTGTCAATTCGGGCCTCCTATGAGAACAAC  
 TACCTTCTTAATCCTGACAATTTCCAGCGACATTTTTTTTTTCAGGTGAATTTATCCAAACGATCCCCC  
 ACATTGTAATGGAAGAAATCAGGAGCCCGTGATGACCTATGATGGAACATGCATTACAGTAGGTTCCAC  
 AAAAAACATTAACAGCAACACCACCGACCCATTCTCATGTACCTCCCAACATTTTTTACTCCAAACAG  
 AAATTCGAGGACTGTTTATCCCGAGGCTCATCAACGGTATTTCTCTGAACACTTTCACATGGAAGGAGC  
 GAACTCACCTTCAGGTTACTATGAGAGCTTACAAAAGAATTGTCGAATTGATTACAGTCAGGAGCTGGG  
 TAAGTTGATTTTTCTCCCAAGCCAGATTGTTACCCAGCAACTAACATCGACTTTGGCTGGACAGAG  
 ACAAGCCGGATCCTGATAAGCAACCAAAATAATCAAATCTCAGTGTTTAGATCAGAAACGACTCCAGTCCG  
 CAGATTCACAGTCCTTTCAACCGTGCCTAATATAACCGCAGCAACTAAGTTCAGCATCAATTTGAATTC  
 CCTGCATCTGAACATTGCAAAAGAACATCTGGTCCCGTCAGGTATAGGATGCGCACTGATAACCTGCGG  
 ACCTTTCTGCCAATCACGGCTTTGCCGCATACATTGACTGTTCTGGAGGTAATATTGGCTTGCAGACAG  
 TTCATGCCCGAGCGCAATAGACAACGGCAC

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>VC101595 representing YP\_073795  
 Red=Cloning sites Green=Tags

MESCYVWSSYFLQLKL TAPILLKPREIRCLRTGLSILSQQSTFVCMCRDEGSFTAAYFTYIDLRDCGNV  
 TLAVQNISDVLDLQKPLIINLFAFFLPSINLVSLPVQIVERMEHNYIPHGECRAQFILYGSQTKLRAH  
 IKRIRWTELQHEEPHYMYACEFWIDLQTPPDQIFNSAKVEFISRNQVYFKQIMLHEKILVIRASYENN  
 YLLNPDNFPSDIFFQVNF IQTIPHIVMERNQEPVMTYDGTCTITVGSTKNINSNTDPPSCTFPFTFFDSKQ  
 KFAGLFI PRLINGISLNTFTWKERTHLQVTMAYKKNCRIDYSQELGKLIFLPSQIVTHDQSNIDFGWTE  
 TSRILISNQNNQISVFRSETTPVADSPVLSTVPNITAATNV SINLSLHLNIAKEHLVPVRYRMRTDNLR  
 TFLPITALPHTLTVLEGNIGLQTVPCPSGNRQRH

**TR**TRRLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

Sgfl-Mlul

**Cloning Scheme:**


**ACCN:** NC\_001716

**ORF Size:** 1362 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\\_073795](#)

**RefSeq ORF:** 1362 bp

**Locus ID:** 3289513

**MW:** 52.3 kDa