

## Product datasheet for **VC101491**

### **U50 (NC\_000898) Virus Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	U50 (NC_000898) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	U50
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 VC101491 represents NCBI reference of NP\_050231 with codon optimized for human cell expression

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

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGCATCGCC**

ATGGCCCAGTGCAATCTGTTCTATCAGTATCCAATTACACCCATACTCGAGGGCCACGTGCGAAACATCT  
TGATTTGTAAGAGGACATTAGGAGACTGCAGTCCCAGTCCAGCCTTAGACTGAGAGAGAAAATCGA  
TCAGGGACATAGGGATAAAGTCTGCGGATGAGGCTGAAAACAGAGCTGGACGCGCTCCAGCGGAAAATG  
CAGAAGGACAGCGATGTTCTCAATTTCCATTTGAAGGCCATTGAGGATGCCCTCTGTTCACTAACGATG  
GAGAGGTGAATGTTGAGACTAAGGCGGACACAACTTCTGCCAAAAGTCCCGAAAAGATTGAAAAAATT  
TAATCAGTGGCCATTACCCACTGGACCCTTTCATTAGATTTACCGACGATTTTCGGGGCGAGATGATC  
AACACCTTTTTCAACAACGCTCAGATGTGAATTTACCTTTGGCAGTTGGTTTTACAAGCTTAAGCGGG  
TTTTCTACAATGAACCTGGTTTTCGAAGAGCTCTTAAGATTACTAACGTGGACAGCTTGACCATTTCTAA  
AGAGCTGCTCACTGTTACAGTCAACGCTCTCGAGCAAGCCACAGTGTATCCGATATTTGGCAGTGAGATG  
AGCGATCTGGAGGCAGCCCTTTCATCCTCGCAGCTTTTATAGTACCTATGAGAATAGCCAGATCGATG  
AGAGAACAACGCTCGTTGACATCACTCTCCTGCCGGTGATCTTTAGACTGCTTGGATCAGAGATCAC  
GGCCCTTAAGAATGTATCACCTTCAGGCACCTATTTCCGGTTCAACGATCCCTCCTGTATGAAGTTTTT  
GTACCAATGCGGAAGGGTAAACTACGAGAGAAATACGTTTGGGAATCATGTGCTGGTTAAGATGTTGC  
TTGGCAGAGGCGTGATGCAGAAGATCCCGGAGAGAAGGATCACAGAATTCGATGTGGAGGCCGACT  
GCATGGTGCCATTAACACGACGTAAGTGTATTGGACTTACCAGCTGATGAGGCCCTAACTCGGCAAC  
AATGTTCCCATATTCATCCATGACCAACATTATCTCCGGTCAGGGCTGGTCGCCATAGAGTCCCTGTTCC  
TGCTGTGGAGGATCTTGAATTCGAGTCCCTGTTCAACAAGCGGGTGGGAAAATTTCTTCTGACCTCAAT  
ATTCACAGCTGAAAACGTCGACTTCGCCGAGAACAATTTTGGAGCCGGTAATATACAGAATTTGAA  
TACCTCATGCATCACTATGTTGTGCCAATGTACAACCTGCAGAACGATATTTCAATTTCAACACTTTTCC  
CAGGGCTGGTGGCAGTGTGCGTTAATGAATCTGTGAGACTGGGCTGGGAGCATAAGTGCAGCGGTGCGCC  
TTCCGACGCCGTGCAGGTACAGTCAAAGAAAATCCATTTGTTGAGTATATACGAGCCAGATGGAACAA  
CAGGCCGACGTCGCCATCCTCGAGAAACACGATTGCATCCTCTTCCATTTGAGAATGGGCTCAACATCA  
CCCTTAGCTTACCCTCCCTCGACAGCGGCTCTTCGCTATGGCCTCTTCCCTGTTCAATGTTAATGATAC  
CTATGATTTCACTATTTCTCCTGCTCGGCTTCTGCCATCCCTGCCATTATC

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>VC101491 representing NP\_050231

Red=Cloning sites Green=Tags

MAQC�LFYQYPITPILEGHVRNIICTEEDIRRLQSQSSLRLREKIDQGHRDKLLRMRLKTELDAIQRKM  
QKDSVNLNSHLKAIEDALLFTNDGEVNVETKADTQLLPKSPERLEKFNQVAITPLDPFIRFTDDFRGEMI  
NTFFNNAQMWNFTFGSWFYKLRVFNPEPLRRALKITNVDSLTIISKELLTVTVNALEQATVYPIFGSEM  
SDLEAALCILAAFYSTYENSQIDERTTLVDIITLLPVIFRLLGSEITALKNVSPSGTYFGFNDPSCMKFF  
VPMRKGKHYAENTFGNHVLVKMLLGRGVMQKIPGEKDSQNFVDEARLHGAIKNDVLVYWTYQLMRPKLGN  
NVPIFIHDQHYLRSLVAIESLFLWRILNSESLFNKRVGKFLLSIFPQLENVDFEAENFEAGNIQNF  
YLMHHYVVPYMLQNDISISTLFPGLVAVCVNESVRLGWEHKCAGAPSDAVQVQSKENPFVEYIRAQMEQ  
QADVAILKHDICILFHFENGLNITLSFTLPRQRLFAMASSLFNVNDTYDFIYFLVLGFLPIPAII

**TR**TRRLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**


**ACCN:** NC\_000898

**ORF Size:** 1665 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\\_050231](#)

**RefSeq ORF:** 1665 bp

**Locus ID:** 1497052

**MW:** 63.8 kDa