

## Product datasheet for **VC101489**

### U48 (NC\_000898) Virus Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	U48 (NC_000898) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	U48
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

**ORF Nucleotide Sequence:**

>The Viral ORF clone VC101489 represents NCBI reference of NP\_050229 with codon optimized for human cell expression

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

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGTTGTT**CAGGCTGTGGGTGTTT**GCCTGCTGACCCCTGCTATTCATGGAGACCATGGACTATCAGCG  
ACGAGAGCCACTGTAAAAATGGTAATTCGAAAATCCTATCGTCCGACCAGGCTTCATAACCTTCAATTT  
TTACACCAAGAACGACACACGCATCTACCAGGTGCCAAGTGCCTGTTGGGAAGCGACATTACATACCAC  
CTGTTTGACGCCATAAACACTACAGAATCCCTACCAACTACGAAAAGAGGGTGACCCGTTTTACGAGC  
CTCCTATGAATGATATACTCAGACTGTCAACCGTTCCTGCTGTGAAGCAATTCACCTGGACCCTCTAT  
TCAACCCCAAATCGTATACAGTCTGAATCTCTATCCCAGCCACGGGATCTACTATACGGGTGGTCGAG  
GTGCGGCAAAATGCAGTATGATAATGTGCTGCAAACTCCCTAACAGCCTCAACGAGCTTATATTTCCAG  
TCCAGGTGAGGTGCGCAAGATAACCAGGTACGCCGGCGAGAACATATACTACTCTTTTTACACCAGA  
CTTCATGATTCTTACATCCAGAACCCGGCTGGAGATCTTACTATGATGTACGAAAACACACCCGATATT  
AACTTCAAAGCTCCATATCGAAAAGCTCCTTTATATTTAAACAGACGCTTACCGACGATCTGCTGCTTA  
TTGTTGAGAAGGACGTGGTGCAGCAGGAGTATAGGTTCATTTCTGACGCCACCTTCGTGGATGAAACCTT  
GGACGATGTGGACGAGGTGCGAGGCTCTGCTGCTCAAGTTAACAATCTGGGCATTGAGACTCTGTTGCGG  
GGGATTGTAAAAAGCCAGATTACGCTGGCATCCACAGATGATGTTTCTGTACGGTATTGTCCACTTCT  
CATATCCACTAAGAATACTGGGCAATGCCTGTATTGCGGGTCTTAAAAACACAGAAAACCTGCTGTC  
AATTGACTCCTTTGTTAATCGGTGCGTAAACGTATCCGAAGGCACGATACAGTATCCCAAATGAAAGAA  
TTTCTGAAGTACGAGCCTCCGACTACTCATATATTACCAAGAATAAATCAATCCCGGTGAGCACCTTGC  
TGACGTATCTGGCTACTGCCTACGAGACGAATGTAACAATCAGTCGGTACAAATGGAGTGACATCGCCAA  
CACACTGCAGAAGATATACGAAAAGCACATGTTTTTTACGAATCTGACATTCTCTGATAGGGAAACCTG  
TTTATGCTGGCAGAGATTGCGAACTTTATTCTGCGGACGAACGAATGCAGCGACACATGCAGCTGCTCA  
TTGGCAACCTGTGTAACCCTGTGGAAATCGTTTCTGGGCTCACATGCTGACGGCCGATAAGGCACCTAA  
TTTGAAAACATCTATAGTCCCTGCGCGTACCAGTGAGGAGGGACGTTACCAATTCATTTGTCAAGACT  
GTTCTCACGTACGCAAGCCTGGACAGGTACCGGTACAGCATGATGGAAATGCTTCTGTCTATCGACCAC  
CCGACATGGCGAGGGTGGCCGCCATCCAGTGCCTGTCACCTCCGAGCCCGCTGCATCCTTGCCGCTCCC  
CAATGTGACCTTTGTGATTAGTCCCTCCTACGTTATTAAGGGCGTAAGTCTGACCATCACCCTACCATT  
GTTGCGACTTCAATCATATAACAGCTATACCCCTCAATTCTACATGTGTCTCTACCAATTACAAAACAG  
CCGGCCAGGACCTGCTTGTCTGAGAAATATATCTAGCCAAACATGCGAATTCGCCAGAGCGTGGTGAT  
GGAATACGATGACATTGATGGACCCCTGCAGTACATCTACATCAAAAACATCGATGAACTGAAAACACTG  
ACCGATCCTAACAAACATCTGCTCGTGCCAAATACCCGGACCCATTACCTCCTCTGGCCAAAGACGGGA  
GCGTCTTTGAGATGAGCGAGGTTGGCATCGACATAGATCAGGTGAGTATCATTTTGGTGATTATTTATGT  
CCTCATTGCGATTATTGCCTTGTTCGGCCTTTACAGACTCATCCGCTTTGC

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >VC101489 representing NP\_050229  
Red=Cloning sites Green=Tags

MLFRLWVFLVLLTPCYSWRPWTISDESHCKNGNSENPIVRPGFITFNFYTKNDTRIYQVPKCLLGSDITYH  
 LFDAINTTESL TNYEKRVTRFYEPMMNDILRLSTVPAVKQFNLDHSIQPQIVYSLNLYPSHGIYYIRVVE  
 VRQMQYDNVSKLPNLNLIFPVQVRCAKITRYAGENIYTHFFTPDFMILYIQNPAGDL TMMYGNTTDI  
 NFKAPYRKSSFIFKQTLTDDLLLIVEKDVVDEEYRFISDATFVDETLDDVDEVEALLLKFNLLGIQTLRL  
 GDCKKPDYAGIPQMMFLYGI VHF SYSTKNTGMPVLRVLKTHE NLLSIDSFVNRCVNVSEGTIQPKMKE  
 FLKYEPSDYSYITKNKSI PVSTLLTYLATAYETNVTISRYKWSDIANTLQKIYEKHMFFTNLTFSDRET  
 FMLAEIANFIPADERMQRHMQLLIGNL CNPVEIVSWAHMLTADKAPNLENIYSPCASPVRRDVTNSFVK  
 VLTYASLD RYRSDMMEMLSVYRPPDMARVAIQCLSPSEPAASLPLPNVTFVISPSYVIKGVSLTITTTI  
 VATSIIITAIPLNSTCVSTNYKYAGDLLVLRNISSQTCEFCQSVVMEYDDIDGPLQYIYIKNIDELKTL  
 TDPNNLLVPNTRTHYLLLAKNGSVFEMSEVGIDIDQVSIILVVIYVLIATIALFGLYRLIRLC

TRRRLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**



**ACCN:** NC\_000898

**ORF Size:** 2082 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\\_050229](#)

**RefSeq ORF:** 2082 bp

**Locus ID:** 1497050

**MW:** 79.6 kDa