

## Product datasheet for **VC101588**

### U48 (NC\_001716) Virus Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	U48 (NC_001716) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	U48
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 VC101588 represents NCBI reference of YP\_073788 with codon optimized for human cell expression

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

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGTACTTTTACATTAACCTCTCTGTTGCTCATCGTATCCATCAATGGTTGGAAGCACTGGAATATTCTTA  
ATAGCAGCATCTGCGTTAACGAAAAAACTAACCAAATATTATACAGCCAGGACTGATTACCTTTAATTT  
TCACGACTATAATGAACTAGAGTCTACCAGATCCCAAGTGTCTGTTGCGTTATACATTTGTGTCCAAT  
CTCTTCGACTCCGTGAATTTTGTGAAAGTTTTGATCAATACAAGCACCGCATCACAAGATTTTTAAACC  
CCTCTACCGAGAAGGCCGTCAAGATTTACGCCAAAAGTCCAGACAAATATCAAGCCGGTCAGCCATAC  
TAAAATAAACGGTGAGTCTCCTCCACTCTTTATGAAAAGGATGTGTATTTTGCCAACGTGAGTGAG  
ATCCGGAAACTCTACTATAACCAATACATCTGTACTCTGTCCAACGGCCTGACAGACTACCTCTTCCCA  
TACTGAGCGCTGCGTTATGCGGCACTACAATCTGAACACCGTGTATGCTTGCCCTGACACCCCTC  
CTTCTTATTATCAGTGTGAGACAGGAATGGACGACGTAGTTTTATCTTTGGCAACGTCTCACGGATC  
TTTTTAAAGCCCTTCCGGAAGTCAAGTTTCATTTATAGACAGACAGTGAGCGACGACCTCCTCTCA  
TAACAAAAAGACCACCTTGTAGCGCTTTTATCCATTTTTGAAGATTGATTTTCTCGATGACATCTGGAA  
ACAAAACCTACGATATCAGCTTCTGATAGCTAAATTCACAAGCTTGCTACAGTATATATCATGGAGGGC  
TTTTGTGGAAGCCGTTAATAAGGATACATCCACCTTATGTTCTTGTGTTGGCCTGACCCACTTCTGT  
ACAGTACCGCGGAGACGGCCTGCTGCCCTGCTCGAGATCCTTAATACTACCAGAGTATAATTAATCT  
GGGAAGTTTTCTGGAAGTGTCTTAAGATGACCAAATCTCATCTTCTCTATCCTGAGATGGAAAAATTG  
CAGAATTTCCAATTGGTCGACTACTCATACATTACTAGCGACCTCACAATCCCCATCTCCGCCAACTCG  
CGTTTCTGTCTCTTGCAGACGGTCGGATCGTGACCGTGCCACAGAATAAATGGAAAGAGATTGAAAATAA  
CATAGAAACCCTGTACGAAAAACACAACTGTTTACTAACCTCACCCAGCCCGAGAGAGCAATCTGTTT  
TTGCTCTCAGAGATTGGGAACTCTCTGATTCCAGGAAAAATCAAAGGAAAAATCACGTGTTGTTGG  
CGTCTTTGTGCAACCCACTGGAGATGATTTCTGGACCCACATGTTGGATAACGTGATGGACATCGAAAC  
AATGTTCTCTCCATGTGCAACAGCGACAAGAAAGGACCTGACGCAGCGGGTCGTGAACAACATTCTCTCA  
TACAAAAACCTCGACGCATACACTAATAAAGTGTGAACACTCTGAGCGTGTACCGAAAAAACGACTGG  
ACATGTTCAAATCAATCAGCTGCGTTTCAAATGAACAGGCTGCCTTTCTGACTCTGCCCAATATTACATA  
TACAATCAGTTCTAAATACATCCTGGCAGGAACCTCTTCTCTGTAAACATCAACTGTGATTAGCACAA  
ATCATCATCACGGTCTTCCCTTAACAGTACTTGCACACCAACAACTACAAGTATTCTGTGAAAAACA  
TTAAGCCATTTACAACATTTCTCACAGATTGTGCTTCTGCGAATCCTTGGTGGTGGAGTACGACGA  
TATCGACGGCATTATTCAATTTGTTTACATTATGGACGACAAGCAGCTGTTGAAGCTCATCGATCCCGAC  
ACAAACTTCATAGATGTCAACCTAGAACACATATTTGCTTTTCTCCGCAACGGGTCCGTGTTTGAA  
TCACAGCTCTGGATCTCAAGTCTTCAAGTGCCATTATGTTGGTCTGCTTTATTTGATCATTATTAT  
CATTGTCTGTTCCGGTATATACCATGATTTAGGTTGTTT

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >VC101588 representing YP\_073788  
 Red=Cloning sites Green=Tags

MYFYINLLLLIVSINGWKHWNILNSSICVNEKTNQTIIQPGLITFNFDYNETRVYQIPKCLFGYTFVSN  
 LFDSVNFDESFDQYKHRITRFFNPSTEKAVKIYAQKFQTNIKPVSHTKTITVSLPLFYEKDVYFANVSE  
 IRKLYNQYICTLSNGLTDYLPITERCVMRHYNLNTVFMALALTPSFFIISVETGMDDVVFIFGNVSRI  
 FFKAPFRKSSFIRQTVSDDLITKKTIERFYPLKIDFLDDIWKQNYDISFLIAKFNKLATVYIMEG  
 FCGKPVNKDTFHLMFLFGLTHFLYSTRGDLLPLLEILNTHQSIITMGRFLEKCFKMTKSHLLYPEMEKL  
 QNFQLVDYSYITSDLTIPISAKLAFLSLADGRIVTVPQNKWKEIENNIETLYEKHKLFNTLTQPERANLF  
 LLSEIGNSLVFQEKIKRKIHVLLASLCNPLEMYFWTHMLDNVMDIETMFSPCATATRKDLTQRVNNILS  
 YKNLDAYTNKVMNTLSVYRKRKLDMFKSISCVSNEQAFLTLPNITYTISSEYILAGTSFSVTSTVISTT  
 IITVPLNSTCTPTNYKYSVKNIKPIYNISSHDCVFCESLVVEYDDIDGIIQFVYIMDDKQLKLDIPD  
 TNFIDVNPRTHYLLFLRNGSVFEITALDLKSSQVSIMLVLLYLIIIIIIVLFGIYHVFRFL

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NC\_001716

ORF Size: 2070 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\\_073788](#)

**RefSeq ORF:** 2070 bp

**Locus ID:** 3289506

**MW:** 80.4 kDa