

Product datasheet for **VC101397**

U48 (NC_001664) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	U48 (NC_001664) 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 VC101397 represents NCBI reference of NP_042941 with codon optimized for human cell expression

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

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCTGCTGAGACTCTGGGTCTTTGTGCTGCTTACCCCTTGTATGGCTGGAGGCCACTGAATATCTCAA
ACTCTAGCCACTGTAGGAATGGGAATTCGAGAATCCAATCGTCCGCCCGGGTTCATCACATTTAACTT
TTATACGAAAAACGACACTAGAATCTACCAGGTTCCGAAGTGCCTTCTGGGTTCCGACATTACGTATCAT
CTGTTTGACGCTATTAACACCACTGAGTCCCTGACCAACTACGAGAAGCGCGTTACCAGATTTTACGAGC
CACCCATGAACGATATTCTGAGATTGTCCCTGTTCCAAGCGTGAAGCAGTTTAACTGGACCGGAGCAT
CCAACCACAGGTGGTGTACTCCTGAACATGTATCCCTCACAGGGTATCTACTACGTGCGGGTGGTTGAG
GTTCCGGCAGATGCAGTATGATAACGTGTCTTGAAGCTGCCAATCTTTGAAAGAACTTATCTTCCCGG
TCCAGGTACAGTGCGCCAAGATTACCCGCTATGTGGGGGAAGACATTTACACCCACTTTTTCACTCCAGA
CTTCATGATTTTTGTATATTCAGAACCCAGCAGGAGACCTCACTATGATGTACGGTAACTACTTCAATC
AATTTTAAAGCACCTTATAAAAAATCCAGTTTCATTTTCAAGCAGACACTGACGGACGATCTTCTTTTGA
TCGTAGAAAAAGACGTAATCGACGTACAATATCGGTTTATCTCAGACGCAACCTTCGTGACGAGACACT
GAACGATGTTGATGAGGTCGAGGCACTGCTGCTGAAGTCAATAACCTCGGCATCCAAACATTGCTCCGA
GGCAGCTGCAAGAAACCTAACTACGCCGGAATTCCTCAGATGATGTTTCTCTATGGTATTGTTCAATTTCA
GTTACTCTACTAAGAATACCGGCCAATGCCAGTGTGAGGGTACTGAAAACCTCACGAGAACCTCTTGAG
TATCGATAGCTTCGTGAATAGATGTGTCAACGTTTCAGAGGGCACACTTCAGTACCCTAAGTGAAGGAA
TTCCTGAAGTACGAACCTAGCGACTACTTTACATAACCAAAAAACAAATCAATCTCCGTAAGTACTCTGC
TCACTTATCTGGCCACAGCCTATGAGTCTAACGTTACGATCAGCAAGTATAAGTGGACCGATATTGCAAA
CACCCCTCAAAACATTTACGAAAAGCACATGTTCTTACCAATCTCACCTTCAGTGACAGAGAAACCTTG
TTTATGCTGGCCGAAATCGCAAACATCATCCCTACCGACGAACGCATGCAGAGGCATATGCAGCTGCTGA
TAGGCAATCTGTGTAACCCAGTTGAAATCGTCTCCTGGGCGCGGATGCTGACAGCTGATAGAGCTCCCAA
TTTGAAAACATCTACTCTCCTTGCCTCTCCTGTAAGGAGAGATGTAACCTAACAGCTTCTTAAAGACT
GTTCTGACATACGCTTCTGACCGATACCGGTCGACATGATGGAGATGCTGTCCGTATACAGGCCAC
CCAATATGAAAAGGTGGCCGCTATTCAATGTCTCAGCCCTAGCGAGCCAGCTGCCTCCCTGACCCTTCC
AAACGTTACATTTGTGATCAGTCCGTCCTATGTGATCAAGGGGTCTCCCTGACGATTACTACCACCATT
GTCGCTACTTCCATTATCATCACCGCCATTCTTTGAATTCACCTGCGTCAGTACAAACTATAAATACG
CCGGGCAGGATTTGCTGGTTCTGAGGAACATATCTAGTCAGACCTGTGAGTTCTGCCAATCCGTTGTTAT
GGAATACGATGACATTGACGGACCTCTGCAGTACATTTATATAAAAAATATTGATGAACTGAAGACTCTC
ACTGATCCCAACAACATCTTCTGGTGCCAAATACCCGCACCCATTATCTTCTGCTGGCCAAAAACGGGA
GTGTGTTCCGAAATGTCTGAGGTAGGTATTGATATAGACCAGGTCAAGTATTATTCTCGTGATCATTATAT
TCTGATAGCCATCATTGCCTTGTTCGGCCTGTACAGACTGATTAGGCTCTGT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >VC101397 representing NP_042941
 Red=Cloning sites Green=Tags

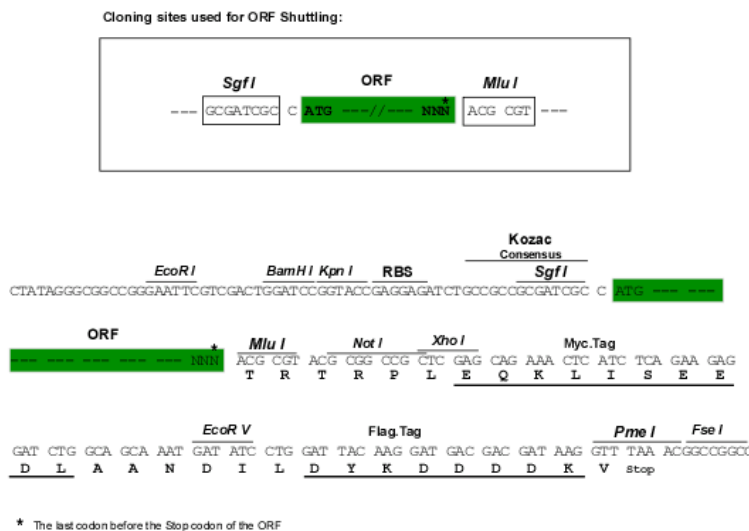
MLLRLLWVFLVLLPCYGWRPLNISNSSHCRNGNFENPIVRPGFITFNFYTKNDTRIYQVPKCLLGSDITYH
 LFDAINTTESL TNYEKRVTRFYEPMMNDILRLSPVPSVKQFNLDRSIQPVVYSLNMYPYSGIYYVRVVE
 VRQMQYDNVSKLPLNSLKEIFPVQVRCAKITRYVGEDIYTHFFTPDFMILYIQNPAGDL TMMYGNTTST
 NFKAPYKKSFFIFKQTLTDDLLLIVEKDVIDVQYRFISDATFVDETLNDVDEVEALLLKFNLLGIQTLRL
 GDCKKPNYAGIPQMMFLYGI VHF SYSTKNTGMPVLRVLKTHE NLLSIDSFVNRCVNVSEGLQYPKMKE
 FLKYEPSDYSYITKNKSI SVSTLLTYLATAYESNVTISKYKWDIANTLQNIYEKHMFFTNLTFSDRET
 FMLAEIANI IPTDERMQRHMQLLIGNL CNPVEIVSWARMLTADRPNLENIYSPCASPVRRDVTNSFLKT
 VLTYASLD RYRSDMMEMLSVYRPPNMERVA AIQCLSPSEPAASL TLPNVTFVISPSYVIKGVSLTITTTI
 VATSIIITAIPLNSTCVSTNYKYAGDLLVLRNISSQTCEFCQSVVMEYDDIDGPLQYIYIKNIDELKTL
 TDPNNLLVPNTRTHYLLLAKNGSVFEMSEVGIDIDQVSIILV IYILIAIALFGLYRLIRLC

TRTRRLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



ACCN: NC_001664

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_001664.2](#), [NP_042941](#)

RefSeq ORF: 2082 bp

Locus ID: 1487928

MW: 79.6 kDa