

Product datasheet for **VC101395**

U47 (NC_001664) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	U47 (NC_001664) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	U47
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 VC101395 represents NCBI reference of NP_042940 with codon optimized for human cell expression

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

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGCTGCACATCAGCCGCTCGGACTCTTTCTGGGACTGTTCCGCATCGTGATGCATAGCGTAAACTTGA
TCAAATATACTAGCGATCCCCTTGAAGCCTTTAAGACAGTTAATCGCCATAACTGGTCAGATGAGCAGAG
GGAACACTTCTACGATCTGCGAAACCTCTACACTTCTTCTGCCAACTAACCTTCCCTCGATTGTTTT
ACTCAGATCTTGACGAACGTGTTCTCTGGGACATTTCGCGACTCTCAGTGTAAAAGTGCTGTCTCTCTCT
CCCCACTCCAAAATTTGCCCGCACAGAAATAAAAATCGTGCTCTCATCTACTACAGCAAACAACTCTAT
CATCGTCTTAGTTTCAGCCTTTTTACCTGCTCTTCCGACCCTGTCCACCTATACAGCAGATCCTCCG
TGCCTTGAAGTGTGCCCTTCAAGATTTGGGCGCTCAGCTTTTCGATATCAAGCTTACTGAGGAGTCTC
TGCGCATGGCCATGAGCAAATCTTAACCTCAACTTGACGCGGAGTCTGACCTCCTTACTTCTAAAAA
TTTCTTCAATTATACCAGCTTTGTTATTTTCTGCTTTACAATACTACATCTTGGTCCCGAGTAATGAT
CAATACTTCAAGCAGTCACCAAAGCCTATTAACGTGACGACGAGTTTTGGCAGGGCCATCGTGAACTTCG
ATAGCATTCTGACCACGACGCCAGCAGCACATCAGCGTCTTTGACGTCACCCCATATCCCATCTACAAA
CATACCCACCCCGCCCTCCTCCAGTGACAAAAACAGCACTAACTTCATACCGACACTATTAAGGTC
ACCCCAACACACCTACGATAACGACCCAGACAACCGAAAGCATCAAAAAATGTGAAGCGCAGCGATT
TCCCCCGCCGATGTATACCCCAACAGACATTCCTACCTTACAATCAGGCTGAACGCTACTATTAAGAC
TGAACAGAATACAGAGAATCCGAAGAGCCCCCTAAGCCAATAATTTGAAAAATAAATAAAGAAC
CCCAAGACCCCTCGAGAGCGCTACAGCCACTACCAATGCTACACAGAAAAATCGAGTCAACAACTTTCACCA
CTATTGGTATAAAGGAGATCAATGGTAATACATATAGCAGCCCAAGAATAGCATTATCTTAAATCCAA
ATCACAGCAGAGCACCCTAAGTTTACCAGCGGAACATACGACACCGATCTTGAAGTTTACAACCTTGG
CAGAACACAGTGCAGCTTACATGTCTCACAACCCGAAGTTCAGAATATGACCGATAAGTTCAGCGAA
CAACCCTTAAGAGCTCCAATGAACTGCCTACAATCCAGACACTGTCTGTGACACCAAGCAAAAACTGCC
CTCCAACGTCAGTCAAAGACCGAAGTACACATCACTAACAACGCCCTGCCAAGCTCCAACAGCAGTTAC
AGCATTACCGAGGTCCTAAGGAAGTGAAGCACACTAGGATGTCTGCCAGCACCCATGAACAAATTAATC
ATACTGAGATCGCTCAGATCACCCCAATCCTCAACGCCCATACCTCCGAAAAGTCTACGACCCCAAG
GTCCTTACAGCCGAGACATTCCTTACAACATCATCAAAGCCAAATATCATTACATGGTCTAATCTTCTT
ACCACTACACCAAGAACCCTGACGAATACAGTCTCAGGTGGACTGATCATATAACAACTCAGTTGA
CTACTTCAAACCGCACCCAAAGCGCCAACTTACGAAGGCAAATATCTCATCTCAGACGCCAATATATA
TCCTCAAACCATCACTGGCCGAAGTACAGAAGTC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>VC101395 representing NP_042940

Red=Cloning sites Green=Tags

MLHISRLGLFLGLFAIVMHSVNLIKYTSDFLEAFKTVNRHNWSDEQREHFYDLRNLVYTSFCQTNLSLDCF
TQILTNVFSWDIRDSQCKSAVLSPLQNLPRTEIKIVLSSTTANKSIIASSFSLFYLLFATLSTYADPP
CVELLPFKILGAQLFDIKLTEESLRMAMSKFSNSNLRSLTSFTSKNFFNYTSFVYFLLYNTTSCVPSND
QYFKQSPKPINVTTSGRAIVNFDISILTTTSSSASLTSPIHSTNIPTPAPPVTKNSKLHTDTIKV
TPNPTITTTQTTESIKKIVKRSDFPRPMYTPDIPTLIRLNATIKTEQNTENPKSPPKPTNFENTTIRI
PKTLESATATTNATQKIESTFTTIGIKEINGNTYSSPKNSIYLKSKSQSTTKFTDAEHTTPIPKFTTW
QNTVRTYMSHNTEVQNMDFQRTTLKSSNELPTIQTLVTPKQKLPNSVNTAKTEVHITNNALPSSNSSY
SITEVTKEVKHTRMSASTHEQINHTEIAQITPILNAHTSEKSTTPQRSFTAETFLTSSKNPIITWSNLL
TTTPKEPLTNTSLRWTDHITTQLTTSNRTQSAKLTKANISSQTTNIYPQITGRSTEV

TRTRRLE**QKLISEEDLA**AND**I**L**DYKDDDDK**V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NC_001664

ORF Size: 1854 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_042940](#)

RefSeq ORF: 1854 bp

Locus ID: 1487926

MW: 69.2 kDa