

## Product datasheet for **VC101488**

### U47 (NC\_000898) Virus Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	U47 (NC_000898) 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 VC101488 represents NCBI reference of NP\_050228 with codon optimized for human cell expression

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

GACGTTGTATACGACTCCTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGC**C

ATGCTGCATATCTCAAGACTGGGGCTCTCCTTGCCCTGTTGCTATTGTGATGCATTCCGTGAACCTGA  
TTAAATATACTTCAGACCCTCTGGAAGCCTTCAAGACCGTGAACCGCCACAATTGGTCTGATGAGCAGCG  
CGAGCACTTTTACGACTTGAGAAATCTCTATACTACTTTCTGCCAGCGGAACCTCAGCCTTGATTGCTTT  
ACACAGATTCTGACCAATGTCTTTTCTGGAACATCCGGGATCTTCAATGCAAGTCAGCGGTGAATCTGA  
GCCCACTCAAACCTCCCGAGGGCCGAGACCAAAATTGCTTAGCAGTACTGCTGCAATAAAAGCAT  
CGTGGCCTCAAGTTTCTCCCTGTCTACCTGCTCTTTGCTACTCTTTCAACATATACCGCTGACCCCCA  
TGCGTAGAGCTGCTGCCATTCAAGATTCTGGGAACCCAGTTGTTGACATTAAACTGACCGATGAGTCTC  
TTCAGATGGCTATTTCTAAGTTTAGCAATAGCAACCTCACGAGGAGTCTGACACCATTCACTCCCGAGAT  
CTTCTTTAACTACACCAGTTTCGTCTATTTCTCCTGTACAATACAACAAGCTGTATTCCGCTCAAACGAC  
CAGTACTTTGAGCATTACCGAAACCTATAAATGTGACCACCTCATTTGGACGAGCTATAGTTAACTTTTC  
ATTCCATTCTCACGACCCTCCGTCCAGCACTCTAGCAGCACATCAGCCTCCATAACATCACCTCATAT  
TCCATCCACCAACACCCCAACCCCGGAGCCGTACCTGTGACCAAGAATTTTACTGAGCTTCAGACAGAC  
ACGATCAAAGTAACCCCTAACACCCCACTATCACCGCGCAAACGACAGAGTCAATCAAGAAGGTCGTTA  
AGCGCAGCGACTTTCTCGGCCAATGTATACTCCACGGACATTTCAACTCTGACCATCAGACGGAACGC  
AACTATCAAACCGAGCAGAACACAGAGAACCCTACTGAAAATCCAAAATCTCCCCAAAACCTACGAAC  
TTCGAGAACACTACTATTCCGGATCCCCGAAACCTTTGAGAGCACCCTGTTGCCACCAATACTACACAGA  
AGCTTGAAGTAGCAGATTTCGCAACTACCATCGGAATAGAAGAAATATCTGATAACATTTTTCATCACC  
CAAGAACAGCATATATCTGAAAAGTAAGTCACAACAGAGTACCACAAAAGTTCACAGACACTGAGCACAG  
ACGCCATCTTGAAGTTCACGACCTGGCAAGATGCTGCCCGCACATATAGAGCCACAATACCGAAGTGC  
AGAACATGACTGAGAATTCATAAAGATTTCCCTGGGCGAGACTATGGGGATCACACAAAAGAACCCAC  
TAATCCGACACAGCTCCTAATGTTAAGAATCAGACAGAATATGCCAACGAAACTCACAGTACAGAAGTA  
CAGACTGTGAAAACCTTTAAGGAGGATCGGTTCCAGAGGACTACATTGAAGTCTAGCTCCGAGCCCCAA  
CAGTACAGACCCTTAGCGTTACCCCAAAGAAGAAGCTGCCAAGCAATGTCAGTCTAAAACCGAGGTGCA  
GGTACTAATAATGCACTGCCATCATCTAACAGTTCTCACTCAATAACTAAAGTTACTGAGGAACCTAAG  
CAAACCGCATGTCTGCGAGTACTCATGGAGAGATTAATCACACCGAGATCCCACGCATGACCCCAATCC  
TGAATGCCACACCTGGGAAAAGTCCACAACTCCGCAATGGCCCTTCACTGCAGAGACAAGTCTCACGAC  
CTCTAGCAAGTCTGCTATCCTGACGTGGAGCAACCTTCTCACTACACCAAGGAGCCGCTGACAAATACT  
TCTCTCAGAAGCACTAACCAATTACGACCCAGCTGACGACCTCTAACCGACCCCAATCCGCTAAGCTGA  
CTAAGGCGCATGTCTCTTCCCAAACCACAAACATTTATCCACAACAATAACTGAAAGAAGTACCGACGT  
GAAAAAAGAGTTCCACGGAGTCAAGAGAGGCTAATAAGACTCTGCCTGGCAACGACTATCGCGTAACA  
GATAAAAACAGCCATAACCATCCGGACAACCTGACTACCAAGGCTTACAGCACACAAAATGCGACCCACT  
ATACCTATAATGAGAGACACGACCTCAACAACACAGATAGCACT

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >VC101488 representing NP\_050228  
 Red=Cloning sites Green=Tags

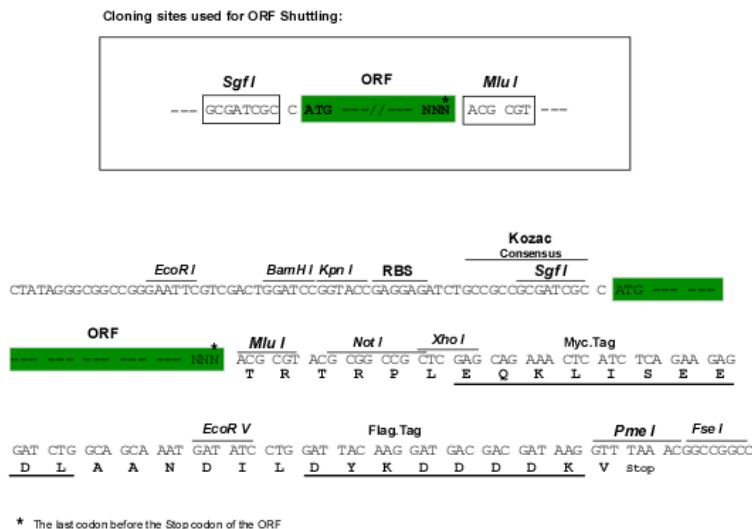
MLHISRLGLFLALFAIVMHSVNLIKYTSDFLEAFKTVNRHNWSDEQREHFYDLRNLTYTFCQRNLSLDCF  
 TQILTNVFSWNIRDQLQCKSAVNL SPLQNL PRAETKIVL SSTAANKSIVASSFSLFYLLFATLSTYTADPP  
 CVELLFPKILGTQLFDIKLTDLSLQMAISKFSNSNL TRSLTPFTPEIFFNYTSFVYFLLYNTTSCIRSND  
 QYFEHSPKPINVTTSFGRAIVNFHSILTTTSSSTPSSTASITSPHIPSTNTPTPEPSPVTKNFTELQTD  
 TIKVTPNTPITTAQTTESIKKVVKRSDFP RPRMYTPTDIPTLTIRR NATIKTEQNTENPTENPKSPPKPTN  
 FENTTIRIPETFESTTVATNTTQKLESTTFATTIGIEEISDNIYSSPKNSIYLKSKSQSTTKFTDTEHT  
 TPILKFTTWQDAARTYMSHNTEVQNMTEFNIKISLGETMGITPKPTNPTQLLNKVNQTEYANETHSTEV  
 QTVKTFKEDRFQRRTLLKSSSEPPTVQTL SVTPKKLPSNVTAKTEVQVTNNALPSSNSSHSITKVTEEPK  
 QNRMSASTHGEINHTEIPRMTPI LNAHTWEKSTTPQWPFTAETSLTSSKSAILTWSNLLTTPKEPLTNT  
 SLRSTNHITTQLTTSNRQSAKLTKAHVSSQTTNIYPQITITERSTDVKKKSSTESREANKTLP GNDYRVV  
 DKNSHNHPDNLTKAYSTQNATHYTYNERHDLNNTDST

TRTRRLEQKLI SEEDLAANDILDYKDDDDKV

**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**



**ACCN:** NC\_000898

**ORF Size:** 2214 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\\_050228](#)

**RefSeq ORF:** 2214 bp

**Locus ID:** 1497049

**MW:** 83.0 kDa