

## Product datasheet for **VC101390**

### **U42 (NC\_001664) Virus Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	U42 (NC_001664) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	U42
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

**ORF Nucleotide Sequence:**

>The Viral ORF clone VC101390 represents NCBI reference of NP\_042935 with codon optimized for human cell expression

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

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**GCGATCGCC**

ATGTACCCGAGAGGGGTCAAAGAAGCCACCATGATTACCACAGACAGACCGCCTTTCGGACAATAAAGC  
GAAGTACCCACCGACAGACTTCTAAATTCATCAGTCACCTCGCCAAGAATTTTCGGGAAAACTGGCGCC  
TCTGAAGCATTGCGAGAGTAGGCTGGACGCCCTGAGCTTGACAGAAGTGGAGCAGCTGAAAAAATCATC  
GAAGAAAAGCAACAGGAAAAGAGAGCTCAGAACAACGCCATTACATTCCTGCCAAATCTCCCACTGTGC  
CATTTGCAGACACAACTTCAGTCTGAAAAGTCTCGGCCGCGCCATACAATGGCGACGCGAGGGATCC  
CAAGCAACGCATTAGAGACCGGTTCCCTCAGACGCACGAGAGAATTTGCTTGCTGACTAACGATATCTTG  
GAGACCGATCTGCTGCTTCGCTATCGACAGTGCCTCGACAGCCTGACCAGAGAGGAAAATCAGCAGCTCA  
TGGGCGACAGGATCTTTCTCTGACAAATTCACCTGCCTGGCATTACCGTTGCAACCGTGAAGAGGC  
TTGTTCTACTTTAAGTTTCATGACCTCCACAACCTCCCTGTTAATCCTCAGGACCTTTTATGTATACT  
ATTACAGTCATGAAGTTCGAATTTTCAACAAGCTGAACATGGCCAAGCTCACGTGTGTGTTCAACGACA  
ACGGGCACGGCGACATTGAATATCGCAAATCGCGCAGCTCTGCGGTAACCCCGTGTGGATCGGGAGAT  
GCCAAACAGCGAGCTCGAGGTGCAGCAACAGACCCAGACAGCTTCAGGCACCCTATTCAGCAGGCCATG  
AGCATTGTTGTCACATTCGCCCCGATCTTGCGCCAGATTAAGGAGCAGATCATTAGACAAAAGAGCCGC  
AGTTTATACGAGACTTTGACACAGGCCGGTTCGAGAGCGATACGAGTGGGACTCATGTCCAGGCTGAT  
TGGCAAGCAGTTTTCAAACCATAAGTGTGACGATGTGTCATGTCAGAACCGGATTGAGAGGATTATGGCA  
CCATGGAAAACCGAGCTTGTTTTTTGCACCTACTTTGCTAAGGACGCCCAAATTCAGTTGTTCCCAA  
ACTTTCCCGAAGAGTATCGAAATCTCAGCTTCACATGCCCAAAGTGGACACAGAGCCTTCTGTAGTTA  
TTCCACTAACCACGACCTTCCACAGACCTCACACCGCTCCCATAAAAATCATGGTACCCAAAAGTGAAG  
TCCAAGGTGTGTGTCGAAAAACCAGACCTCTATCCTGACTACAACAAAGACTACCACCGAAATCCTGA  
TTGAGGAGAGTATGGAGACTGATAACAAAATCCCAACCTCGAGAGCTTAACCTCAACCAGGCGAAACA  
GGAAGAGATCGTAATTATTAACATCAATGAAAATGTGAACTCCAAACATGAAAAGTGAAGTCTAGTGTGAA  
ATGGACCTCGACTTGATTACGAGGCAGATACTTGGGAGACAAACCTTAATGCTTGTCTCCGACTCTG  
AA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>VC101390 representing NP\_042935

Red=Cloning sites Green=Tags

MYPRGVKRSHHDYHRQTAFRTIKRSTHRQTSKFI SHFAKNFRGKLA PLKHCESRLDALSL TELEQLKTIIEEKQ  
QEKRAQNNAITFLPNLPTVPFADTNFSLKSLGLRPYNGDARDPKQIRDRFPQOTHERICLLTNDILETDLLLR  
YRQCLDSL TREENQQLMGDRIFSLTNSPCLAF TVATVEEACSYFKFHDLHNL PVPNPQDLFMYTITVMK  
FEFFNKL NMAKLTCVFNDNGHGDIEYRKL RQLCGKPVLDREMPNSELEVQQQTPDSFRHP IQQAM  
SIVVTFARILRQIKEQIIQTKKPQFIRDFDTGRVAERYE CGLMSRLIGKQFSNHK CDDVSCQNRIERIMA  
PWKPSLFFCTYFAKDAPKFKLFPNFPEEYRNL SFTCPKVDTEPSCSYSTNHDL PQTSHRSHKNHGT  
PKVKSKVCEKPDTSILTTTKTTEILIEESMETDNKIPNPRELNFNQAKQEEI VIININENVNSKHESSE  
SVE MDL DLDYEADTCETNLNACSSDSE

**TR**TRRLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**


**ACCN:** NC\_001664

**ORF Size:** 1542 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\\_042935](#)

**RefSeq ORF:** 1542 bp

**Locus ID:** 1487920

**MW:** 59.8 kDa