

## Product datasheet for **VC101483**

### U42 (NC\_000898) Virus Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	U42 (NC_000898) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	U42
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 VC101483 represents NCBI reference of NP\_050223 with codon optimized for human cell expression  
 Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGTATCCAAGGGCGTGAACGCACTAGCAGCAGTATAGGCACAAACAGACTGCATTTAGGACCATTAAGC  
 GCTCTATACCCACCGCCACATCTAAGTTTATTAGCCATTTTCTAAGAACTCCGGGGAAAGCTGGC  
 TCCTCTCAAGCAATTGGATGAAAGTCGGTTGGACGCTCTCAGCCTGACCGAATTGGAACAACTGAAAACA  
 ATAATTGAAGAAAAGCAACAGGAGAAGAGAGCACAATAACGCCATAACATTTTGCCTAATCTCCCAA  
 CTGTGCCGTTTCGCCGACACAAATTTAGCATCAAATCCCTCGGGCTCAGACCATAACAACGGGACGCACG  
 GGACCCTAAACAGCGAATACGGGATCGATTCCCTCAAACGCACGAGCGGATCTGCCTTCTGACAAACGAC  
 ATCTTGAACCGATCTGCTGCTGCGCTATAGGCAGTGTCTCGACAGTCTACTAGGGAAGAGAATCAGC  
 AGCTGATGGGGATAGAATTTTTCAGTTTACCAACTCCCCTGTTTGGCATTACCGTCGCCACAGTTGA  
 AGAAGCCTGTAGTTACTTTAAATTTTCATGATCTGCACAACCTTCCAGTTAACCCCCAGGATCTGTTTATG  
 TATACTATCACCGTGATGAAATTCGAATCTTTAATAAGCTGAACATGGCCAAACTTACATGCGTTTTTA  
 ATGACAACGGGCATGGTGACATCGAATACCGAAAACCTGCGCCAGCTTTGCGGCAAACAGTGCTCGACAG  
 GGAAATGCCTAACTCAGAATTTGAGGTCCAACAGCAAACCCCTGACAGTTTCCAGACCCCTATCCAACA  
 GCGATGAGCATCGTGGTGACGTTTGCACGCATACTCAGACAGATAAAGGAACATATTATAAGAACAAAA  
 AGCCTCAGTTTATCCGGGATTTGCACACAGAGCGAGTTGCCGAGAGATATGAATGTGGCCTCATCAGTCG  
 CCTCATCGGTAGCAGTTTAGCAATCACAAGTGCAGTATGTGTCTGTGAGAATCGGATCGAGAGAATT  
 ATGGCGCCCTGGAAACCCAGCCTGTTCTTTTGCACCTATTTTGGCAAGGACGCCCTAAATCAAGCTGT  
 TCCCAATTTGCCACACAGATATAGGAATCTGTCTTTACCTGCCCTAAAGTGGACATGGAGCCCTCTTG  
 CAGTTATAGCACCTCTCGGGACCTGCCACAGACCAGCCACAGGAGTCATAAGAACCAGGGGACGCCATAA  
 GTGAAATCCAAGGTGTGCGTCGAAAAACAGACACCAGCAACCTCAGACTACGAAGACCACTACAGAAA  
 TTCTCATTGAGGAGTCTATGGAGACAGATAATAAGATTCCAGACCCGCGGAATTGAACTCAACCAGGC  
 CAAACAAGACGAGATCGTGATTCAACATCAACGAGAACGTCAACAGCAAACCGAATCAGAAAGTTCC  
 GTGAAATGGATCTCGACCTGGATTACGAAGCCGATACATGCGAGACTAACCTTAACACATACAGCTCCG  
 ACAGCGAG

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>VC101483 representing NP\_050223  
 Red=Cloning sites Green=Tags

MYPRGVKRSQHDRHKQTAFTRIKRSITHRPTSKFISHFAKNFRGKLAFLKQLDESRLDALSLTELEQLKT  
 IIEEKQEKRAQNNAITFLPNLPTVPFADTNFSIKSLGLRYPYNGDARDPKQRIRDRFPQOTHERICLLTND  
 ILETDLLLRQRCLDSLREENQQLMGDRIFSLTNSPCLAFVATVVEEACSYFKFHDHLNLPVNPQDLFM  
 YTITVMKFEFFNKLNMAKLTCTVFNDRNGHGDIEYRKLRLQCGKPVLDREMPNSEFEVQQQTPDSFRHPIQQ  
 AMSIVVTFARILRQIKEHIIRTKKQFIRDFDTERVAERYECLISRLIGKQFSNHKDDVSCQNRIERI  
 MAPWKPSLFFCTYFAKDAPKFKLFPNLPHEYRNLSTCPKVDMEPSCSYSTRDLPQTSRSHKNQGT  
 VKSKVCVEKPDSTNLTTTKTTTEILIEESMETDNKIPDPRELFNFNAKQDEIIVININENVNSKHESESS  
 VEMDLDDYEADTCETNLNTYSSDSE

**TRTRRLEQKLISEEDLAANDILDYKDDDDKV**

**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



\* The last codon before the Stop codon of the ORF

**ACCN:** NC\_000898

**ORF Size:** 1548 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\\_050223](#)
**RefSeq ORF:** 1548 bp

**Locus ID:** 1497044

**MW:** 60.1 kDa