

Product datasheet for **VC101581**

U42 (NC_001716) Virus Tagged ORF Clone

Product data:

| | |
|---------------------------|--|
| Product Type: | Expression Plasmids |
| Product Name: | U42 (NC_001716) 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 VC101581 represents NCBI reference of YP_073782 with codon optimized for human cell expression
 Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTACCCCCGGGCGTGAAGAAGAACGTCCTGGGACGCCAGCGCTACGGACTCAAGACCATCAAAAGAA
 CACTCGTGCAACAAGCCCGCTAATAAATACGTTTCCCGATTACAAAACAATTCACCGGAGGATTATCCC
 CATCAAACAGCTTGATGAGTCTAAACTGGATGCTCTTTCCTTGAGAGAGTTGGAACAACCTGAAGCTGATC
 ATTGAGGAAAAGCAAGAGGAAAAACGAGCTCAGACCCATGCCCTGACCTTCTTTGCTAACCTGCCAACTG
 CGCCCTTCGGATCTTCATATACCGCCGAAGCCCTCGGCTTGAGGAAGTATAGCGGAGAAGCCGGGACCC
 GGCCCATCGCATCAGAGACCGCTTCCCCAGAAACCAGAGAAAACTACCTCGAGAAAGAAGAGCTTATG
 ACAACCGACCTCCTTCTGCGCTACAAAACGTCTTAACCTTTGAACAGGGAGCAGCACCAGCAGATAC
 TCGGCGACCGAGTCTTCAGTCTGACTAACTCTCCTAGCCTCGCTTCAGTCTGGCGATTATTGAAGAAGC
 CTGTATCTACTATAAGTACCACCTTTGTGCAACAATCTCCCTATTGATCCCCAAGACCTCTTATGTACACT
 ATAACCATAATGAAGTTTGAGTACTTCAATAAACTGAACATGGCCAAACTTTGTTGCGTATTTAATGACA
 ATGGACATGGCGATATTGAATATCGGATCTTCAGGCAGTTGTGCGGTAACCTGTGTACGACAGAGATAT
 GCCCAACACCGAGTACGAAGTGCAGCAGCAGACCCCGGATCTTTTCAGTACCCCGCCAGCAGGCGCTG
 TCATTCATCGTGACATTTGCCAGGATATTGCGGCAGATCAAGGAACGAATTCTGCAGACGAAGCAGCCAC
 AGTTTATCCGCGACTTCGATCAGGACCGGGTGTCCGAACAATACCAGTGCAGCATGATCTCCGACTTGT
 CGGAGACCAGTTCAATAACCACCAAGTGTGACGACATCGGCTGCCAGACGAGAATCAACGAATGATGAGC
 CCCTGGAAGCCTTCATTGACTTTTGTACCTACTTGCCAAAGGAGTTTCGTCGAATTCGGCTTGCATCCCA
 ACATGCCTGAGGAGTATAATTCATTCAATGTGGCCTGCTCCACCACTCCTAGCTGCAGCTTTCGGAGCCA
 ACAATCAAAACAGACAGTGCAGCTGAATTTGCAAACGAAGAAGCAAGCGAAATGCAAAAAGCTGCTGACC
 GCCGACAAGACGAACAAAGGCCAAAAACGAACGAGCTGCGGGAGAATCGGCTCAAAAAAGATTGGAGTA
 AGGAAGTGGACAGCATCGATTTGAAACCAATACCACGTTGCAGGAAGACGAGACCCGGTTTGTGTTTAT
 CGAAAATGACACAAGTATGAAGAGTGCCAAAATAAAAGAGAACAACGGTGAAGAAAACCTCAGATAACGAA
 ATGGAACCTGATCTGGACTACGAGGATGTCGAGACGTGCGAGACAGACATTAATGATACTGATTCAGACG
 ACTCTGAC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>VC101581 representing YP_073782
 Red=Cloning sites Green=Tags

MYPRGVKKNVLRQRYGLKTIKRTL VHKPANKYVSRFTKQFHRRI IPIKQLDESKLDALSLRELEQLKLI
 IEEKQEEKRAQTHAL TFFANLPTAPFGSSYTAELGLRKYSGEARDPAHRIRDRFPRNHEKIYLEKEELM
 TTDLLLRYKNCLNSLNREQHQQILGDRVFL TNSPSLAFSLAIIIEACIYYKYHFVHNLPIDPQDLFMYT
 ITIMKFEYFNKLNMAKLCVFNDRNGHGDIEYRIFRQLCGKPVYDRDMPNTEYEVQQQTPGSFYPAQQAL
 SFIVTFARILRQIKERILQTKQPQFIRDFDQDRVSEYQCGMISRLVGDQFNNHQDDIGCQTRIQRMMS
 PWKPSLYFCTYLPKEFVEFGLHPNMPEEYNSFNVACSTTPSCSFASQSKQTVQLNLQTKKQAKCKLLT
 ADKTNKGQKTNELRENRLKDWKSDVSDIDFETNTLQEDETRFVFIENDTSMKSAKIKENNGEENSUNE
 MELDLDYEDVETCETDINDTDSDDSD

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NC_001716

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_001716.2, YP_073782](#)

RefSeq ORF: 1548 bp

Locus ID: 3289500

MW: 60.5 kDa