

## Product datasheet for **VC101482**

### U41 (NC\_000898) Virus Tagged ORF Clone

#### Product data:

|                           |  |
|---------------------------|--|
| Product Type:             | Expression Plasmids  |
| Product Name:             | U41 (NC_000898) Virus Tagged ORF Clone   |
| Tag:                      | Myc-DDK  |
| Symbol:                   | U41  |
| Mammalian Cell Selection: | Neomycin   |
| Vector:                   | pCMV6-Entry (PS100001)   |
| E. coli Selection:        | Kanamycin (25 ug/mL)   |
| ORF Nucleotide Sequence:  | >The Viral ORF clone VC101482 represents NCBI reference of NP_050222 with codon optimized for human cell expression<br>Red=Cloning site Blue=ORF Green=Tags(s) |

GACGTTGTATACGACTCCTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGCTGACGAAATGAACTGTCGTTCCGCTCCCGTCTCCACTGCCGCCTGGATCTACGTCTTTCCAA  
AGGAAAAGGAAGTCTCGACGTCCTCTCCGTGCTGAGCCTTATGGAACGGAACAGCCAGTCGTAATATC  
ACCCCTGTTGATGAATCTGACTGTAGAGAATGACTTCAGCACCACCGTAAAGACACCTATACCAATTTT  
GGGGAAACCATCCTACCAAGATTACCTCTTCATGCCTGTGTGCTTCTCTTTACGGGACAGAGCAAT  
TGGTTGGGATGGCCGAGGATCATGGCGATCTTATCCGGTTGTGTGAGCAGACCCGACAGAAATTCATTT  
GAGTCTTTTGGGTTCCCACTGCTAGAAAGGTTATCGACATCAAAGCGTTGTGCTCCGCGTAGGCAAA  
GACGCCGATTCTGTGATCTGTACGTAGCTTGGCGCAACGGATTCAAGGAGCTGCTGTTGCCGGCTTGC  
TCATTCCTTGGTGAAGAGCAAATTCAGGTTCAAGTGGCGAGTATTCTTGCCTAAAGATCCCCTTGTA  
CAGTGCTACACTGTTTAAAACCGAGGAAACCATCTCCCTGTCCAGTTGACTGAATTCATACAGGAAACGG  
GGGTTTTTCTCCCGCCTTGTGAGAGACTCTGTTCTATTATGTGTTTACCTCTGGGGTACAACCTGTC  
GATTTCAGTAATACCAAAGAGTTGATCGACGCAGGGCTGAAGCAGTTTACCCAGGATGGCGAGCAGACAGT  
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ACGACCCATCCCAAATTATGAATTTAACGATTGGCCTATTATTCGCAACAGCGAGACGCATGCAGAAA  
GATGGCCAGCTGACCAACCTGAAGCTGCATCTGAGCTCCCATCTTGCTGTACTGATTTTGCACCCAAT  
AGCATATTGATTTGCTCAAAATTTGGCTTTCATCCCAACGTCAAACAGGCCTTCAATTCAGTGATGACTC  
AAGAGCTCCTGCTGCGCTCTCTCTTTCTGTAACGCTCTGTCTAGCCTGACCGAAGACGCTACAATGA  
CAATCGGAAGATTATCAAGTGCATAGCACCAGCGGTAAGATGATAAATTTTCTGCTAATCACTTGGCC  
TATGCCTGTGCTACCTGCCCCAAATTTGTTGAGTTATGTTGTCTGGAACCTCAACCGGATGTCCTGTGAT  
AGCCGGAAATGCGTACACGGAGATTTAACCATCTGGTGAAGTCTGCTGCAAACTGTGTGAGTTCTG  
TGATGGTAAAGTCTGCCAGAGCTGCATAGGCACTGCCATGGTTCGGGTGGGGACGAGACTGCCCGCCAT  
CCCAAGAATGTGAAGAAAGGCCCTTGGTGTGATGTCATGTTTAGCCGGTACTACGCTGAGGTGGATATCC



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TGGATCCTTTGGCCGAAGCCGGTGTCCGAAGTCAAAGAAATCGGCAAAGACCAGCAGAATACACTCAG  
TCTCGATCGCGGTAAGTTTGTCTCCAGATATTCGATTACTGTAAGAAGAATTCTCTCATCGATCCAGTC  
ACCGGAGAGGATACGTTTAAATGTGCGGAGTAAGAAAGACTTTGTCTCCATTATTCATGGGCTGACTCAGT  
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GAACTGCTTGCAGAGCTTAAACGTGCACACCACCCATACGCTACAGCTTCTCACCTTTCTGACATTC  
GCCTACTACAAAGTGATACTGACTGTGCTGCAGAACTGGCCCTGATCGTGGCAAGTGGCAGCTGCTGG  
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TCACTCATCTATCTCAAGAAGGGCTTCCCTTAATACCCGACCGTGAAGGTTGCTTCAAACGTCGATATG  
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ACATTTATCGATTGCTATTTTACAATAAATTTCTCAGCGCCCTGGGATCCATGACTATTTGACTTCT  
TGCACGGACTCACCTCTAAACTGGTACCAGAACCCCGTATTGTTCCCGTGGTACTTGACAAGCAGCC  
CAAATTTTCAAGTATACAAGAGTACCTGGTTTATGTGAAGAAGTTGGTTCTGGACGGTGTCCCTAATCCC  
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GTCTGACATTGGAGAAGTTTGTGAGTCTCGAAACCGCAGTATTTTCAAGTTTGGCAACTCGGCTGGAT  
TGGAGGATCCGGGGTGCACCGGAACCTGAATCCAACATCATCTGCCCTGCAAGATTTTAGATTTATGAGA  
CAGAAGACTATTATCGCCACAAAATCTCTGAGGTGATCGTGAAGAAGTACGCAGGAGACTATAATGT  
TCGATACCGAGGTAGTAAAAGGCAAAGTGTCAATTGTGGAGAACCTCACAAACGATATAGATCCCGA  
GTTGCTGATCATTGCCGAGTTATGCGGGACCGGAGGATAAGCCACGATGGATGACATGCTGTTCTTT  
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GGGATTTTAGCATCGCCATCTCCAGTCCGATTTCGAAGCAGTGCCTCTAACGATGCTCTGTCTACGA  
TTTTTCTGAAATCCTGGCTGAAGAGGATGACCAGGCCAGCGGAGTTCTTAAGTGTGACGAAACGGAGACC  
GAAACTGACGAACCTATGACTAAAAAGAACAGACTG

ACCGGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>VC101482 representing NP\_050222  
Red=Cloning sites Green=Tags

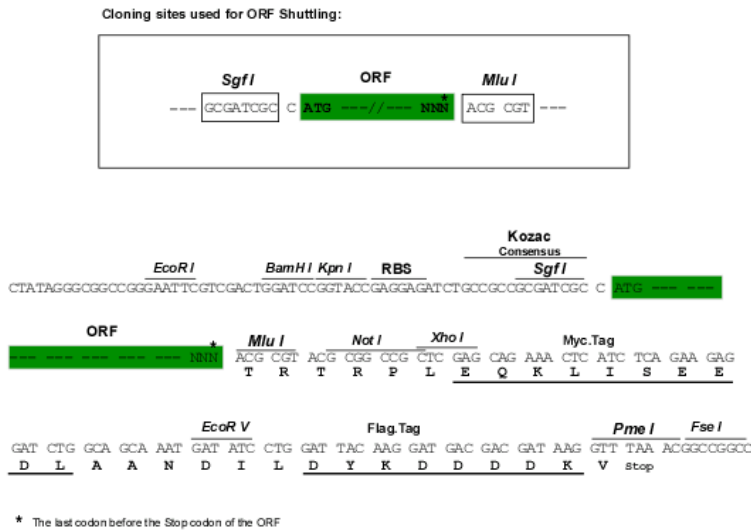
MADENETVVSAPVSTAAWIYVFPKEKELLDVLSVLSMERNSPVVISPLLMNLTVENDFSTTVKTPITNF  
GGTILTKITSFMPVCFHFHGTEQLVGMEDHGDILRLCEQTRQKFLHQSFEVPTARKVIDIKALCSAVGK  
DADSVICHVACNGFKELLFAGLLIPCVEEQIQVQVGEYSCVKIPLYSATLFETEETISLSSCTEFIQER  
GFFLPALSETLFYVFTSWGTTLRFSNTKELIDAGLKQFTQDGEQTVKLAPHKTYLGISGQKISAVEKDF  
LMLVDSVTELSFHVAYELDSVYDPSQIMNFNDWPIIRNSETHAERMAQLTNLKLHLSHLAVLIFAPN  
SILYCSKLAFIPNVKQAFNSVMTQELLLRSLSFCNALSSLTEDVYNDNRKIIKCDSTSGKDDKFSANHLA  
YACATCPQLLSYVWNLRMSVYNAGNAYTEIYNHLVNCANLCEFCDGKCCQSCIGTAMVRVGRTRPAI  
PKNVKKEPLVMSMFSRYAEVDILGSFGRKPVSELKEIGKQQNTLSLDRGKFVSIQFDYCKKNSLIDPV  
TGEDTFNVRSKKDFVSIHGLTQCEECVSRIVEMRRTQTPREQIENCLQSFNVDTPYATAFSPFLT  
AYYKVILTVLQNLALIVASGHVDRPCTGNSISKWLQQYQSLYGFHSSYLKKGFLNTRTVKVASNVDM  
EQILDCLYKSGKYVKTIIQAKLCRLSMQCLRDFRIKRNPFNKSSKTAHNNPYFKKVKHKKNPVLSGIC  
FLLFKYHDKLFPNVKISCLELWQRFLLNNVPKTLDIGNPEEVKTFIKFAFSITNTYDEIDIIDIQPECLS  
TFIDCYFHNKFLSALGFHDYLSLHGLTSKLVTONPVLFPVVLDPKQPKFSSIQEYL VYVKKLVLDGVPNP  
VIASLSKEPNFGTIFTSRSLVTFGLTLEKFVSLANREYFQFGQLGWIGGSGVDRNLNPTSSALQDFRFRM  
QKTIATKFSEIVKVRRETIMFDTEVVKGVLSIVENLTNDIDPELLIIAEVMDREDKPTMDDMLFF  
VDGREALAAASIMLKLNLVDMNVRDFSIANLQSVFEAVSSNDAPVYDFSEILAEEDDQASGVLKCDDETET  
ETDEPMTKKNRL

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



ACCN:

NC\_000898

ORF Size:

3396 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.

|                               |   |
|-------------------------------|---|
| <b>Components:</b>            | 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).  |
| <b>Reconstitution Method:</b> | <ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol> |
| <b>RefSeq:</b>                | <u><a href="#">NC_000898.1</a></u> , <u><a href="#">NP_050222</a></u>   |
| <b>RefSeq ORF:</b>            | 3396 bp   |
| <b>Locus ID:</b>              | 1497043   |
| <b>MW:</b>                    | 127.8 kDa   |