

## Product datasheet for **VC101580**

### U41 (NC\_001716) Virus Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	U41 (NC_001716) 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 VC101580 represents NCBI reference of YP_073781 with codon optimized for human cell expression Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGCGGATGACAACGAAACTGTGGTTAGTGCGCCAATATGCACTGCCGCTTGGCTCTACATCCTGCCCA  
AGGAGCAGAAGCTCATTGAAATCTGACTACGCTGTCCCTTATGGAAAAGCGCAAATCTGTGGTTATCTC  
CCCATTGCTGTTGAACCTCACAGTGAAAAACGATTTCTCCCCACCGTCAAGACCCCTATCATAAATTA  
GGCGGCCTGTGATCACAAAATTACATCTTTTCATGCCTGTCTGCTTTTTCTTTTCATGGGACCGTGT  
TCCTCAAAGAGGGCGAAGATCACGGAAATCTGGATAAACTCTGTAACAGACCCGCGAAAAATTTAACCT  
CCAAGAATTTGTTGTCAATGGCAATCGCAAACCCGTGGACATTGGTAAGATTGCGAAAGCGTTGGCAGG  
AATGCCGACGACGCTCCTGTGCCATATTGGTGGGGAATGGTTTTAAGGAGCTGTTGTTCCCGGTCTGC  
TTATTCCTGTGTAGAAGAGCAGATACAGGTGCAGGTAGGTGAGTGTCTGGCCATAAAGATACCACTTTA  
TTCTGCAACGCTCTTCGAGTCCGAGGAGACGTTGTGCATTGACACATGCACAGAATTTATCCAGGAAAA  
GGGTTTTATGCCCAAAAATTAGCGAGGTTCTCTTCTATCTGATTTTACCTCCTGGGGAATGCACTGC  
GCTTCAATAATACTCTCGAGCTCATCAAGGCCGGGCTGAAGCAGTTCATTCAAGATACCGAGCAAATGT  
GAAACTTGCCCCAACAAAACGTATCATGGTATACCAGGACAAAAGCTGTCCCAATCGAGAAGGATCAC  
CTCATGCTTGTGATGCCGTTATCACAGAACTGACCTTTTCTTATACCGCGAGTACCTGGATTCCATTT  
ACGAAAAAACCAGATCATGAATTTTTAGAGTGGCCATCATTAAAAGTGCAGAAAACCCACGAGGAGAA  
AATCGTTGAGCTGAAAAGCTTCGGCTTACCTGTATCCCATGTGCGCCGCTCGTATTGCGAGCGAAT  
AGCATTCTACTCAAATAAGCTGGCTTATATTAGTAACACTAAGCAGGCCTTCAATAGCGCCATTACCC  
AGGAGACCCTGCTGCGATCAATTCATTTCTGCAATTCTCTGTCTAGCTTGAATGAAGATTTTATAATGA  
CGCCAGAAAGTTGATCAAATGCAACTCTAGTCTTGAAGGAGGATAAGTTCTCTGCATTCCACCTGGCC  
TATGCCTGTGCAACTTGCCCCAGATTTCTGTCTCATATAATCTGGAATCTCAACAGAATGTCATATACA  
ACAAAATTGTGGAACTCTGAAATTTACAACCATATAGTTAACTGCAGTAGCAATCTTTGGGATTTCTG  
TGAGGGCAAGTGTGCCACTCTTGTATTGGCACGGCCCTGATCCGCATCAACAGTCGGCTCCACAGATT  
TCCAAGACCACGAAGAAGGAGCCAATCGTCATGACAATGTTTTCCCGTTCTACGCTGATGTGGATGTGC



TGGGAAGTTTTGGGAAAAAGGGCGTTAATGAGTCAAAGGATCCCATGAAAGAAGCCCAAACACACCGTC  
 ACTGGACCGATTTAAATTCCTCGGTATGATCCACGATTACTGCAAGAAAAATAACTTGATTGACGCGATT  
 ACTGGAGAGGATAACCTTAACTTTAAATCACAGAACGACTTCGTCAACATGATTAACGATCTTATCCAGT  
 GCATTGAAGAAGCGGTGTCAAAGTGTATTAGTGAGATGAGAAAGACCCAGACAAGTCGAGAGCAGATCGA  
 GAATTGCCTGCAGTCCTCAATATCGACACAACCCCATGTCTTGGCTTCTCCCCATTTTTCGTGTTT  
 ACGTATTATAAGGTGATTCTGATTGTTCTCCAAAACCTCGCTGATTATCGGCACTGGCTATGTGGTGG  
 ATCGAACCTGCACTGGCAACCTCATCAGCAAATGGCTTATGCAACAGTATCAGAGCTCTACGGGCATT  
 CTACAACAGTCACTTTAAAAAGGGCTTCCCTCAATATGAAGACCGTCAAGATCGCCAGCAACGTGGACATG  
 GAACAGTACATCGACTTCAACCTGTTCAAGAGCGGGAAGTACGCAAAAACATCCATTCAGGCAAAAACGT  
 GCCGGCTGTCAATGCAATGCCTGAAAGACTTCCGCGTGAAGAATCGACCCTTTAAACAAACCAATAAGAA  
 TACCCAGAACAACCCCTTTTCAAGAAAGTTAAGCAGAAGAAGAACCCCTGAGTGGCTGCCTGTCTTTT  
 CTGCTTTTTAAATACCACGAGCGGCTTTTCCCTAACTGAAGATCTTGTCTTGAATTTTGGCAGCGCA  
 TCCTGCTCAACAATATGCCGAAAACAATTGACATTGGGAATGTTGAGGACATGAGAAGTTTCATCAAGTT  
 CACGTTACAGAGTGACAAACAGCTACGATGAAATAGATCTGCTGGACATCCAGCCAGAGTGTGCTGAGT  
 TTTATTGAATACTATTTCCACAACAAGTTGCTTAGCGTTCGGGTATCGGGATTATCTCACGTCTCTGC  
 ACGCTTTGACATCAAAGCTCGTGCCCGAGAATCCCATGTTGTTCCCTGTGTTCTGAAGGAACACCCAC  
 CTTCTCTAGCGTGCAGGAATACGTTATGACAGTAAAAAACTGGTTGGGAATGGACTGAAAGAGCCGATG  
 ACTGCGAGCCTTACGAAAGAGCCGAATTTCCGTTCCATTTTACAGGCCGCTCCATAATAACGTTCCGGC  
 TGATGATTGAGAAATTTGTGCTGTGGCATCAAGGGACTACTTCCACTTTGGACAGCTGGGGTGGATCGC  
 AGGGAGCGGTGTGGACAGGAACCTGAACCCCCAAGCTCCGGTCTCAAGACTTTTCGTTTCATGCGGCAG  
 AAGTTTGTGATCGCCACAAGCTTTGTGATATAATCGTAAAAAAGTGAACGGGAAGCAATCGTGTATG  
 ATGTGGAAGTCACTCCGCGGAAGGTGCTCAATATTATAGAGAGTCTCAGTAACTCCGTGAATCCGGAAC  
 GCTGATTTCCGCGAAGTGTGAAAGTATAGAGATTCAAAGCCAACATGGACGATATGCTCTTCTATGTC  
 GACGGCCGCGAACCACTTGCAGAGTCTGTGATGAACAAGATCCAACACTTGACAGACTTGAATGTTTCAGG  
 ATTTCTCCCTTAGCACCTTGCTGTCAGTGTTCGAGGAGCAAGTCGAAGATAGCGCAGCCATTTACGACTT  
 CTCTGAGCTCCTGGTCGAAGGCAATGAACAGGGCTTTGGCATTCTGAAAGTGCAGGAGACTGAACACGAG  
 AACGAAGAGCCTAGTCTGAAGAAGGCACGGCTG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>VC101580 representing YP\_073781  
 Red=Cloning sites Green=Tags

MADDNETVVSAPICTAAWLYILPKEQKLEIELTTLMEKRKSVVISPLLLNLTVENDFPPTVKTPPIINY  
 GGTVITKITSFMPVCFVFFHGTDFLKEAEDHGNLDKLCQKTREKFNLQEFVVGNGRNPVDIGKICESVGR  
 NADDVLCHIVVGNFKELLFAGLLIPCVEEQIQVQVGECLAIKIPLYSATLFESEETLCIDTCTEFIQEN  
 GFYAPQISEVLFYLIFTSWGMLRFNNTLELEIKAGLKQFIQDTEQTVKLAPNKTYHGIPGQKLSPIEKDH  
 LMLVDAVITELTFSYTAEYLDSEYENQIMNFSEWPIIKSAETHEEKIVELKCLRHLSSHVAALVFAAN  
 SILYSNKLAYISNTKQAFNSAITQETLLRSIQFCNSLSSLNEDFYNDARKLIKCNSSPCKEDKFSAFHLA  
 YACATCPQILSHIWNLRMSIYNTNCGNSEIYNHIVNCSSNLCEFCGKCCCHSCIGTALIRINSRLPQI  
 SKTTTKEPIVMTMFSRFYADVVDLGSFGKKGVNESKDPMKEAQTTPSLDRFKFLGMIHDYCKNNLIDAI  
 TGEDNLFKSNQDFVNMINDLIQCEEAASKISEMRKTQTSREQIENCLQSFNIDTTPLSLAFSPFFVF  
 TYYKVILIVLQNLALIIIGTYVDRPCTGNLISKWLMQQYQSLYGAFYNHFKKGFLNMKTVKIASNVDM  
 EQYIDFNLFKSGKYAKTSIQAKLCRLSMQCLKDFRVKNRPFNKNPKNNTQNNPFFKKVKQKKNPLSGCLSF  
 LLFKYHERLFPNLKISCLEFWQRILLNMPKTIIDIGNVEDMRSFIKFTFRVTNSYDEIDLDDIQPECLLS  
 FIEYFFHNKLLSVLGYRDYLTSLHALTSKLVQPMPFLFPVFLKEHPTFSSVQYVMHVKKLVGNGLKEPM  
 TASLTKEPNFGSIFTGRSIIITFLMIEKFVSVASRDYFHFQGLGWIAGSGVDRNLNPPSSGLQDFRFMRQ  
 KFVIATKLCDIIVKVKREAIYVDVEVIRGKVLNIIESLSNSVNPPELLILAEVMKDRDSKPTMDDMLFYV  
 DGREPLAKSVMNKIQHLTDLNVHDFSLSTLLSVFEEQVEDSAAIYDFSELLVEGNEQGFILKCEETEHE  
 NEEPSLKKARL

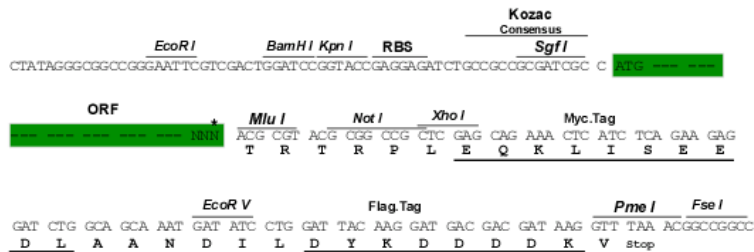
TRTRRLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



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

ACCN:

NC\_001716

ORF Size:

3393 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_001716.2</a></u> , <u><a href="#">YP_073781</a></u>
<b>RefSeq ORF:</b>	3393 bp
<b>Locus ID:</b>	3289499
<b>MW:</b>	129.0 kDa