

Product datasheet for **VC101389**

U41 (NC_001664) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	U41 (NC_001664) 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 VC101389 represents NCBI reference of NP_042934 with codon optimized for human cell expression Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCAGACGAGAACGAAACTGTGGTTAGCGCGCCAGTCAGCACTGCCGCTTGGATATACGTTTTCCCGA
AAGATAAGGAGCTCCTGGACGTCCTGAGTGTGCTGAGCCTTATGGAACGCAACAGCCCCATCGTCATCTC
TCCACTCCTCATGAATCTCACAGTGGAAAACGACTTTTCCACAACAGTTAAAACCCCATACCAACTTC
GGAGGCACAATCCTGACTAAGATTACTAGCTTCATGCCAGTCTGTTTTTTTTTCCATGGACCCAGCAAC
TCGTTGGGATGGCAGAGGATCATGGGGATCTTATCAGGCTGTGTGAGCAGACCCGCCAGAAAGTTCCACCT
CCAGTCCCTCGAGGTCCCGACAGCTAGAAAAGTATCGATATCAAAGCACTTTGCTCTGCAGTAGGGAAG
GACGCCGATTCAGTAATCTGTCATGTGCTTGTGGAAATGGGTTTAAAGAACTGCTGTTCCGCCGCTGC
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AAGAGTGTGCTGCTTCGGTCACTGTCTTCTGCAATGCCCTGAGCAGTCTGTCCGACGATGTTTATAACGA
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TACGCTGTGCAACCAGTCCGCAACTCCTGTCTTCGTTGTTGGAATTTGAACCGGATGTCTGTCTACA
ACGCCGTAAACGCACACACGGAGATCTACAACCCTCGTCAACTGCTCCGCAACCTCTGTGAATCTG
CGATGAAAAGTGTGTGTCAGAGCTGATTGGAACCGCCATGGTAAGAGTGGGCACCAAGCTGCCCGCAATC
CCCAAGAACGTGAAAAGGAGCCGCTTGTGATGAGCATGTTTTCTAGGTATTATGCCGAGGTGGACATCC



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TGGGCTCCTTCGGGCGAAAACTGTATCTGAGTTGAAAGAGATCGGAAAGGACCAGCAGAATACCCTGTC
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 GAGACAGATGAACCTATGACCAAGAAAAATCGGCTG

ACCGGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
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Protein Sequence:

>VC101389 representing NP_042934
 Red=Cloning sites Green=Tags

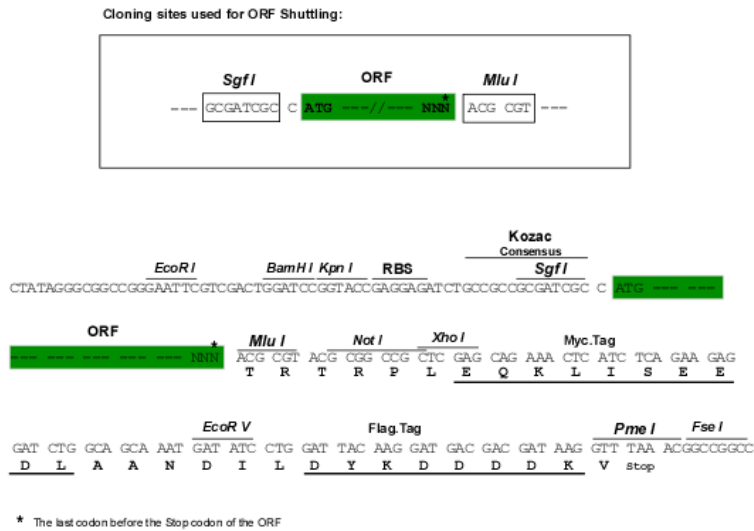
MADENETVVSAPVSTAAWIYVFPKDKELLDVLSVLSMERNSPIVISPLLMNLTVENDFSTTVKTPITNF
 GGTILTKITSFMPVCFVFFHGTQLVGMEDHGDILRLCEQTRQKPHLQSFVPTARKVIDIKALCSAVGK
 DADSVICHVACNGFKELLFAGLLIPCVEEQIQVQVGEYSCVKIPLYSATLFETEETISLSSCTEFIQER
 GFFLPALSETLFYVFTSWGTTLRFSTNKELIDAGLKQFTQDGEQTVKLAPHKTYLGISGQKISAVEKDF
 LMLVDSVTELSFVSHVAEYLDVYDPSQIMNFNDWPIIRNSETHAERMAQLTNLKLHLSHLAVLIFAPN
 SILYCSKLAFIPNVKQAFNSVMTQELLLRSLSFCNALSSLSDVYVYNDNRKIIKCDSTSGKDDKFSANHLA
 YACATSPQLLSFVWNLNRMSVYNAGNAHEIYNHLVNCANLCEFCDGKCCQSCIGTAMVRVGRTRPAI
 PKNVKKEPLVMSMFSRYAEVDILGSFGRKPVSELKEIGKQQNTLSLDRGKFVSIQFDYCKKNSLIDPV
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 SYKVVILTVLQNLALIVASGHVDRPCTGNSISKWLQQYQSLYGFHSSYLKKGFLNTRTVKVASNVDM
 EQILDCLYKSGKYVKTIIQAKLCRLSMQCLRDFRIKRNPFNKSSKTAHNNPYFKKVKHKKNSLPGCIS
 FLLFKYHDKLFPNVKISCLELWQRFLLNNVPKTLDIGNPEEVKTFIKFAFSITNTYDEIDIIDIQPECLS
 TFIDCYFHNKFLSALGFHDYLSLHGLTSKLVTPVLPVLPVLDKQPKFSSIQEYL VYVKKLVLDGVPNP
 VIASLSKEPNFGTIFTSRSLVTFGLTLEKFVSLANREYFQFQGLGWIGGSGVDRNLNPTSSALQDFRFRM
 QKTIIATKFSEIVKVKVREAIMFDTEVVKGVLSIVENLTNDIDPELLIIAEVMDREDKPTMDDMLFF
 VDGREALAASIMLKLNLVDMNVKDF SITNLQSVFETVSSNDAPVYDFSEILAEEDDQGNGLKCDDETET
 ETDEPMTKKNRL

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



ACCN:

NC_001664

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.

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:	<ol style="list-style-type: none">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:	<u>NC_001664.2</u> , <u>NP_042934</u>
RefSeq ORF:	3396 bp
Locus ID:	1487919
MW:	127.8 kDa