

Product datasheet for **VC101388**

U40 (NC_001664) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	U40 (NC_001664) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	U40
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 VC101388 represents NCBI reference of NP_042933 with codon optimized for human cell expression

Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGAATAGTCTCCAGAGCCTTTGCGTGCTGCGCACGGCTGAATGAGTGCCTCTTGATTGGAGTGCC
TCAAATCTGCGACCCTGTGATTGTGCTGTCCGACATGGCAAACCTCAAAAAAAAAACGGAATCGTGATTCT
CCATCTGTATCAGACATTCTTCGAGGGGATTAAGAACAGAATCTCCTGTGTGCCAGCGCCTTGACCGTG
TATATGCAGGTAAGGCTATGTACGAACAGGTGCTGCTGCTCGACGCCGCCCTTGAAAGCTTCA
TGGTGCATCAGGATAGGAAAAAATTTTTGAAAAAGTTTTGTGCCTCCGGAGGTGCGCCGAGACCCTGTC
TATAAATATCAGTCTCAATAATGGGGTAGAGTTTATCGTACAGCTGTCAACTGAATGATATTGAGCAG
CTGATCTCTAAAATTAACCTCCGTACGCACTGCTGCTGCCTCAGGAGGGCTGCAGATATCGGCAAGA
TAATTGACCTGCTTACCATTATGTGTGGAGCTTGCATGGTTGCGAAGCCAGAGTCTACCTTGAGACTAA
GACCTGCATGAAGTGCTACGAGGAGCTTACCCTACTCCAACCAAGGGAAAAAGTCTGCGCAGAAGACTG
CACGGCAAGTTCTGTAACCACCTCACCGAGCAAAAGGCCTTCTCAACATCGAAAAAATATCGAGACTA
TTGAGAAAGACCTCGGCGAAGCTATTCTGAATTATGGCACAGTCCAGTCTGTGCGAACAGAGATCAAAAA
GATCTTCAAACAGCAGCGGAGCGCCGAGAGTCTCCATGTGTCCGATGCAGAGAAGACATTGAAAAATAC
AATATTTTCAGTAAGGTTCCCGACGTGATCTACAGCCTGTCCGAATTTACTTATTGGAGCAAGATTTCTG
AAACAATTGTCCGCAACGTGCTATTACCCTCCAGCAGCTTAACCTTGCCACACCCTTTACAAGCAACT
GCAGAACGACGTATCCTTGTATCTGTACGGTGAAGTGAGCGAGGACTTCCCTGCGCTCTCCGAAAACCTT
CTCACCCACGACGAAAGGCTTTACGTAGGAGTATTTATGTTTTCTCCTTACGGCTGATCGACCTGGTGA
CAGGGCTTTCCATCAAGAATCTGGAGGAGTCCCATTTTCAAGAGGCTGGCAGAGGAGGACGAAGTCCA
GCACAAGATTAAGTCACTCTTGATGACATTCCGGATCCCGAGACTACGGAACCCCGGAAGACTGAAT
ACGATCAATTGCATGCTTACAGCTCACAATCTGCAACAAGAGGTGTTGGCTAGGAAGAAGGCTTATTTCC
AAAAAGTGAGCGAGAGCGGCTATAACAGAGTGATGGCTTGATACGAGAACAGGAAAGTCTGATCAATAA
AGTGGTCAGTGTGAACGTCTATGGCACTTTATTTTTGAGGCACTGAGTAAAATCATGAACGGTTTCGTC
TTGCGGAAGATGTACCTGGATGGTTCATTTGCGGTGGATAGTTGCACATACGATGAGCACCTTTACATCA
AAAATAATCTGATGCCAAGAAGTTGCCACTCGAAGTCTCCCGATCTGAGCGAGATCATGTATACACT
GTTGACAGGACCCTGAGTGATTTCCACAAGTCTGCCTATCCCTTCTGCAATATCAGCATGGCTTAT
GGCTGCGACCACGCTGAGATGCTGCCACACATGAAAGAAGACCTCGCCAGATGCATCGAGGGCACCATCC
ATCCCAGCGTGTGGATGGTGTGCGAATACAACGAATCTTTAACTTTAGTGGAGTGACTGACGTCAACGA
CATGCAAAAGAAGATGTGGAATTCATACGAGAGCTGACACTCTCAGTTGCCCTGTACAACGATGTGTTT
GGAAAGCGGCTGAAAATAGTGAGAATTGATGAAGAAGGCGACCTGAGCGGCAATGTGGTCTGACGTTTA
ACCACGAGAGTCCACTGCTTTCCACACCGCGCGGCATGACAAAGTTTAAGGATGTTTATAGCCTGTT
GTATTGTGACCTGCAGGCCCACTTTCTCGGAAAACAGTCGACGTCCTGAGGGAGTCTCCTATAGTGTG
AGAACTCCTAACCTGCTGGACCTGGTTCGAGAAAATGAGCAGGACGGCAGTATAATCCCTGGATGTCTTT
TCGACGAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

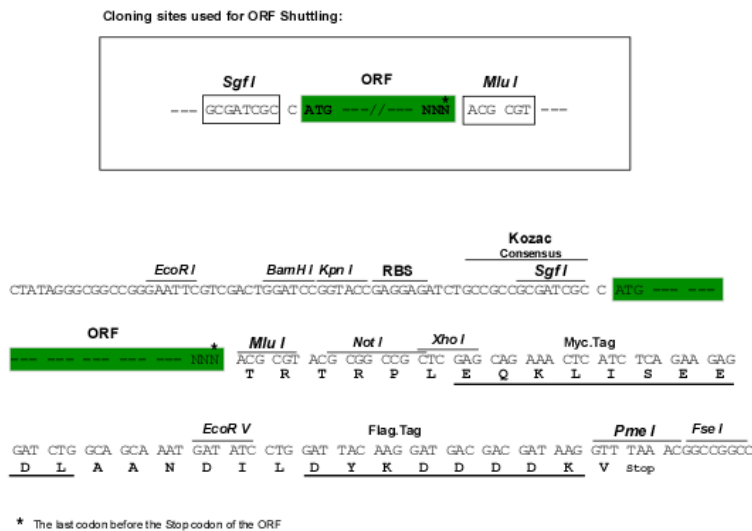
Protein Sequence: >VC101388 representing NP_042933
 Red=Cloning sites Green=Tags

MNSLQSLCVLCARLNECALDLECLKFCDPVIVLSDMANFKKNGIIVLHL YQTFEFGIKEQNLLCASALTV
 YMQVLLKAMYEQVLLDAALESFMDVQDRKKYFEKVLCLRRCATLSINISLNGVEFIVQLSTLNDIEQ
 LISKINSVYALLLPQEGLQICGKIIDLITIMCGACMVAKPESYLETKTKCMKCYEELTLTPNQKSLRRRL
 HGKFCNHLTEQKAFFNIEKNIETIEKDLGEAILNYGTVQSVATEIKKIFKQORSAESLHVSDAEKTLKKY
 NIFSKVPDVIYSLSEFTYWSKISETIVRNVAITLQQLNSCHTLKYLQNDVSLYL YGEVSEDFLALSEN
 LTHDERLYVGSIVYSPSRLIDLVTGLSIKNLEESPIFKRLAEDEEVQHKIKSLLHDIRDPTTETPGRLN
 TINCLQTHNLQQEVLARKKAYFQKVSSEGYNRVMACIREQESL INKVVSVNVYGNFIFEALSKIMNGFV
 LRKMYLDGSRVDSCTYDEHLYIKNNLMPKPLLELLPDLSEIMYTLTGPLSDFHKSAYPLPANISMA
 YGCDHAEMLPHMKEDLARCIEGTIHPVWVCEYNEFFNFSGVTDVNDMQKMMWFIRELTL SVALYNDVF
 GKRLKIVRIDEEDLSGNVVLTFNHESPLL FHTGGMTKFKDVYSLLYCDLQAQLSRETVDVPEGVSYV
 RTPNLLDLVRENEQDGSIPGCLFDE

TRTRRLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NC_001664

ORF Size: 2178 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_001664.2](#), [NP_042933](#)

RefSeq ORF: 2178 bp

Locus ID: 1487918

MW: 82.9 kDa