

Product datasheet for **VC101481**

U40 (NC_000898) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	U40 (NC_000898) 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 VC101481 represents NCBI reference of NP_050221 with codon optimized for human cell expression

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

GACGTTGTATACGACTCCTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAACTCCCTCCAAAGTCTGTGCGTTCTCTGTGCAAGACTTAATGAGTGCSCCTTGGATCTCGAGTGCC
TCAAATCTGTGACCCGTTATCGTCTGTCCGATATGGCGAACTCAAGAAGAACGGCATCGTGATCCT
GCATTTGTATCAGACCTCTTTGAAGGTATTAAGGAGCAGAACCTGTTGTGTGCTAGCGCACTGACCGTG
TACATGCAGGTGCTTTTGAAGGCATGTATGAACAGGTGTTGTTGCTCGATGCGGCTCTCGAGTCTTTCA
TGGTGGATCAGGATCGCAAGAAATATTTGAGAAGTCTGTGTCTGAAAAGGTGTGCCGAGCATCTGTC
AATCAACATTTCACTTAACAATGGCGTGAATTCATTGTTGAGCTCTCCACTCTCAACGATATAGAGCAG
CTGATTTCCAAAATTAACAGTGTGTACGCTCTGCTGTTGCCTCAGGAAGGACTTCAAATCTGTGGTAAAA
TTATTGACTTGTGACTATAATGTGCGGAGCCTGCATGGTGGCCAAGCCGAATCTTACCTGGAGACCAA
AACATGTATGAAGTGCTACGAAGAACTGACCCCTACTCCCAATCAGGGGAAGTCTCTGCGGAAAAGACTT
CATGGCAAATCTGTAACCACCTGACCGAACAGAGGCCTTCTTTAATATTGAAAAGAACATAGAGACTA
TAGAAAAGGATCTGGGGGAAGCAATCCTTAACTATGGGACCATTAGTCCGTCGTACCGAAATTAAGAA
AATCTTTAAACAGCAAAGAAGCGCGGAGTCTCTGCACGTGTCCGATGCCGAAAAAAGCTCTGAAGAAATAT
AACATATTCAGTAAGGTTCCAGACGTGATACAGTCTTTCCGAATTCATTATTGGAGCAAAGATCTCAG
AGACCATCGTGCCAATGTAGCGATAACACTGCAGCAGCTTAATCTTGCCACACACTTTACAAGCAACT
TCAGAATGATGTGTCCCTCTATCTCTACGGGAAGTGAAGTGAAGGATTTCCCTGCTCTCAGCGAAAACCTT
CTCACCCACGATGAAAGACTCTACGTGGTAGCATCTACGTGTCTCCGTCTAGGCTCATAGACCTGGTGA
CGGGGCTGTCCATCAAGAATTTGAAGAATCCCCCATTTTCAAAGGCTGGCGGAGGAGGATGAGGTACA
GCACAAGATCAAGTCCCTGCTGCAGATATCCGGGACCCACAAACGACAGAGACGCCCGGACGGCTCAAC
ACCATCAACTGTATGCTCCAAACCATAATCTGCAGCAAGAAGTCTGGCCCGGAAGAAAGCTTACTTCC
AGAAGGTGAGCGAATCCGGCTATAATAGAGTTATGGCCTGTATCCGGGAACAGGAAAGCCTCATTAAACA
AGTAGTCTCCGTCAACGTGTATGGTAATTTCAATTTGAGGCCCTGTCAAAAATCATGAACGGATTCGTG
CTGAGGAAGATGACTTGGACGGCAGCATTCCGGTTCGATTCTGCACATACGACGAGCACCTTTATATTA
AGAATAACCTTATGCCTAAAAAGCTGCCTTTGGAGCTCCTGCCTGACTTGAGCGAGATAATGTACACTCT
CCTTACCGGTCTCTCAGCGATTTCCACAAGTCTGCTTATCCACTGCCTGCAAATATCAGTATGGCCTAC
GGATGCGACCACGAGAGATGTTGCCTCATATGAAAGAAGACCTGGCTAGATGCATTGAGGGCACCATTC
ACCTTCACTGCTGGATGGTCTGCGAATACAACGAATCTTCAACTTCTCCGGCGTGACAGACGTAACGA
CATGCAAAAAAGATGTGGAATTCATTAGAGAGTTGACCCTCTCTGTAGCTCTCTACAATGACGTGTTT
GGCAAGCGACTCAAGATTGTGCGCATTGACGAGGAAGAAGACCTCAACGGCAATGTGGTGTCTCACTTTCA
ACCACGAATCCCCCTGCTTTTTCATACTGGAGGCGGTATGACTAAGTTTAAAGACGTGTATTCTTGTCT
CTACTGCGATCTGACGGCCAGCTCAGCAGAGAGACGGTGGACGTACCAGAAGCGGTTTCATACTCCGTC
CGCACTCCAACCTCTGGACTTGGTTTCGAGAGAACGACGAGGACGAAAGCATTATCTGGGTGTTTGT
TCGATGAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >VC101481 representing NP_050221
Red=Cloning sites Green=Tags

MNSLQSLCVLCARLNECALDLECLKFCDPVIVLSDMANFKKNGIVILHL YQTFEFGIKEQNLLCASALTV
 YMQVLLKAMYEQVLLDAALESFMDVQDRKKYFEKVLCLKRCAEHL SINISLNGVEFIVQLSTLNDIEQ
 LISKINSVYALLLPQEGQLICGKIIDLITIMCGACMVAKPESYLETKTKCMKCYEELTLTPNQGKSLRKRL
 HGKFCNHLTEQKAFFNIEKNIETIEKDLGEAILNYGTIQSVVTEIKKIFKQORSAESLHVSDAEKTLKKY
 NIFSKVPDVIYSLSEFTYWSKISETIVRNVAITLQQLNSCHTL YKQLQNDVSLYL YGEVSEDFLALSEN
 LTHDERLYVGSIVYSPSRLIDLVTGLSIKNLEESPIFKRLAEDEEVQHKIKSLLHDIRDPTTETPGRNLN
 TINCLQTHNLQQEVLARKKAYFQKVSSEGYNRVMACIREQESL INKVVSVNVYGNFIFEALSKIMNGFV
 LRKMYLDGSIKRVDSCTYDEHLYIKNNLMPKPLLELLPDLSEIMYTLLTGPLSDFHKSAYPLPANISMA
 YGCDHAEMLPHMKEDLARCIEGTIHPVWVCEYNEFFNFSGVTDVNDMQKMMWFIREL TSLVALYNDVF
 GKRLKIVRIDEEDLNGNVVLT FNHESPLL FHTGGGMTKFKDVYSLLYCDLQAQLSRETVDVPEGVSYV
 RTPNLLDLVRENEQDESIIPGCLFDE

TRRRLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NC_000898

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_000898.1](#), [NP_050221](#)

RefSeq ORF: 2178 bp

Locus ID: 1497042

MW: 83.0 kDa