

Product datasheet for **VC101610**

U70 (NC_001716) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	U70 (NC_001716) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	U70
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 VC101610 represents NCBI reference of YP_073810 with codon optimized for human cell expression
Red=Cloning site **Blue**=ORF **Green**=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGCCATTGACTACGCCAGATCTCCTGCAACCTGGCCTCAATCATCGAAGAGGACAGTGTGTTCTTGT
 TTCTGATCGATAAATTGAACAACCTGGATATCTCAAGAAGGAAAACTCCTTTAACTTTATCAGACTGTG
 CTACACATACTATATCTTGATTAAGTTCAACAGCAGGTTTAAGGATACTTTTCTCGCCAGGTCATTATT
 GATTATATGCACCAAAATATTAGCGATTTTATTGACGAGAACGTTGAGCTGAGCGACCTCTATTCCAATA
 TCTACGTACGACTTCAGGATGCAAGTCTAAGGTTGTGAAAAACCTGTTCAAGATTCTGGAGCGGAAAC
 AAGGGGCGAGACCAACCCATTGTGGCAGCCATGCGGAAGAACTGTATAACAGCGACGAAGATTTAT
 GACATTTACATCTCTAAAAGCTTTTCCGGCATAACAGAACTCCTATCTGGGGGACGCAGTGCTCTATG
 GAATTAAGCATGAAAGGATTATCGAGCATCTCCTGAAGACTTTTTTCGTGAAGAAGCCGTGGATCAGCAA
 GACACTTGGACTTTTGTCTGACCCCTCCTCCGGGTGTTCCGTGCTTCCATCGACTCCTACTATGGCATT
 TCTTTCAATGACAATAACCTGATTGAGGTGGGTGACAAGGTGGTGATCTTTGAACTGAAATTCGGCTATA
 AGTATCTTCGGGAGAAAAATGACCTCTTTGTCTCAGAGTTGCTTCAGAACCCTAGCGAAATTCGACTCGC
 TAAGTTTATCCTCTCTCATTCCGATTCCAGCCATCGAGTACCGGGAGAACGGTAAGATGCCAGTGCCCGA
 GAGTATCTGATAACAAACAATCCCCTCTATGACAGCGGCAAGAAACGCAGGGCATGTCTTACCCCTAAAA
 ACCTCACATTCGATATCACCAGGTTGATCCCAATGAACGAAAAAATGTCTCTACTGCCATCATCTTCGA
 CGTGGTCAAGGACTGTATTCTGAACACCCTGGTGGCCTATCAGAAGGCCATCTTCAAAATGACGCATTC
 ATCAACCTAGACACAGGATTACTTCCAATCCATCCTGCAACAATATGTGATGACGCAGTTTACATTC
 AGGATCATGATAACCCTGAGAAATTGAAAAGGAAAAACCTCCCTCCGTGTACATCGTTAGTCCATATT
 TCGCAAACGGGAGGATGATGAAAAGAACTGCAGGCTGCTGATCGAAGATACGGAGTACCTCGAGGAGGAG
 ATCCCACTGATCTGCTTATAACTCCCATCACCATCGATCGAGAATTCACAAGCCGCGTCATCAAGGATA
 TCTGCTGTATCTGGGAGAATAAGATAGCTCAACAAACAATTTGAAGATCTGGGCTCAATCAGCTGTCCG
 CCAGTACATGGCCGCGAGTAGCGCGGACCGAAGACCCCT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>VC101610 representing YP_073810
Red=Cloning sites **Green**=Tags

MAIDYAQISCNLASIIIEEDSVFLFLIDKLNLDISRRKISFNFI RLCYTYIILIKFNSRFKDTFLARSLI
 DYMHNQISDFIDENVELSDLYSNIYVRLQDASPKVVKNLFKILERETRGQSTNPLWHAMRKNICITATKIY
 DIYISKFSFSGIQEHSYLGDAVL YGIKHERIEHLLKTFVKKPWI SKTLGLLDPSGCVFGASIDSYYGI
 SFNDNNLIEVGDKVVI FELKFRYKYLREKNDL FVSELLQNPSEIALAKFIL SHPIPAIEYRENGKMP SAR
 EYLITNNPLYDSGKKRRACLTPKNLTFDITRLIPMNEKNVSTAIIFDVVKDCILNLTAVAYQKAIIFTIDAF
 INPRHRYFQSILQQYVMTQFYIQDHDNPNIEKENLPSVYIVSAIFRKREDDEKNCRLLEDTEYLEEE
 IPLILLITPITIDAEFTSRVIKIDICCIWENKIAQQTNLKIWAQSAVRQYMAASSARPKTP

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NC_001716

ORF Size: 1440 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_001716.2](#), [YP_073810](#)

RefSeq ORF: 1440 bp

Locus ID: 3289528

MW: 56.0 kDa