

Product datasheet for **VC101418**

U70 (NC_001664) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	U70 (NC_001664) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	U70
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>The Viral ORF clone VC101418 represents NCBI reference of NP_042963 with codon optimized for human cell expression
 Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGATCTGGACCAGATCTCCGAGACTCTTTCAAGCGTTGCCGAGGAGAACCTTACTATGTTCCCTTC
 TCGACAAGTTGTATGCAATACGAGAGAAGATTAACAAGTCCCATTTTCCATTGTCGGCTGTGCCATGT
 GACTGCATGCTGATCAAGTACAATGCCTCCAATAACAATTGCATTCTGGGAAGGAAGCTGATCGAGGAA
 ATGCAGCAATTCCTGTGTGGTACGCGAGTGGATGGATCCGAGGATATCTCAATGGACCTCAGCGAACTGT
 GCAAGCTGTATGACTATTGCCATTGTTGTGCAGCGCTCTGTGCCGAGCACCTTGTGTCCGTGAACAA
 ACTCTTTAAGATTGTGGAGAGAGACCCGCGCCAATCTGAAAACCCACTCTGGCAGCTCTCCGGAAG
 TACACCGTTACAGCCACCAAGCTCTACGACATCTACACCACACGCTGTTTTCTGGAGTATAAAGGGCAGC
 AGTTCTTCGGGGAAGCCGTCATATACGGAGCAAAGCATGAACGGGTGATTAGACACTTGGTGCCACTTT
 CTACGTGAAGCGCGAGGTAAAGGAAACATTGGGGCTGCTGCTGGACCCATCCTCAGGTGTGTTTGGAGCA
 TCACTGGATGCCTGCTTTGGCATTCTTTTAACGAAGACGGTTTCTGATGGTGAAGGAAAAGGCTTTGA
 TCTTTGAAATTAAGTTTAAGTATAAATACCTGAGAGATAAGGAAGACCACTTCGTGTCCGAGCTCCTGAA
 GAATCCCACCGAGAAGTCTTTCAGCGACTTCATACTGTCCACCCCGTCCCTGTGATCGAATTTAGGGAA
 AGGGGTAATAATCCCCTCCTCTCGCGAGTATTTGATGACCTACGATTTCCAATATAGACCTCAGAGGAAGT
 TGCGCACCTGCCAACACCAGCGATCCTGGCCCCCACATCAAACAGTTGCTGTGCCTGAATGAGACACA
 GAAGTCTACTGTCATCGTGTGTTGATTGTAATCCGATCTCTGTGAACAGAAGCTGAGCGTTTTCCAGAAA
 GCCGTCTTACCCTGAATGTGTTTGTCAACCCAAAGCACAGATACTTTTTCCAGTCCCTCTTCCAGCAAT
 ATGTGATGACACAGTTTTACATTAATGATCACAATAACCCGAGTATATAGAATCAACCGAGGTACCTTC
 CGTTCATATAGTAACCGCCTTCTTTAGGCGGCGCACAGAGGAAGAGCGCTCACTCCACCTCGTGATCGAT
 GAAACTGAGTACATTGAGGAAGAGATTCCACTGGCTCTGATTGTGACTCCCGTTGCCCAAATCCCGAAT
 TTACCTGTTGTGATCACCGACATATGCAATCTTTGGGAGAACAACATCTGCAAGCAAACGAGCTTGCA
 GGTCTGGGCTCAATCTGCCGTGAACCAGTACCTCGCGCGTGCCTTCGAAAGCCTAAGACACCC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>VC101418 representing NP_042963
 Red=Cloning sites Green=Tags

MDLDQISETLSSVAEEPLTMFLLDKLYAIREKIKQVPFIVRLCHVYCMLIKYNASNNNCILGRKLIEE
 MQQFLCGTRVDGSEDISMDLSELCKLYDYCPLLCSALCRAPCVSVNKLFKIVERETRGQSENPLWHALRK
 YVTATKLYDIYTTRCFLEYKQQFFGEAVIYGAKHERVIRHLVATFYVKREVKETLGLLLDPSSGVFGA
 SLDACFGISFNEDGFLMVKEKALIFEIKFKYKYLKEDHVFSELLKNPTEKSFSDFILSHPVPVIEFRE
 RGKIPSSREYLMTYDFQYRQRLRTPAILAPHIKQLLCLNETQKSTVIVFDCKSDLCEQKLSVFQK
 AVFTVNVFVNPKHRYFFQSLQLQYVMTQFYINDHNNPEYIESTEVPVSVHIVTAFRRRTEEERSLHLVID
 ETEYIEEIEIPLALIVTPVAPNPEFTCCVITDICNLWENNICKQTSLQVWAQSAVNQYLAACVRKPKTP

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NC_001664

ORF Size: 1464 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_042963](#)
RefSeq ORF: 1464 bp

Locus ID: 1487951

MW: 56.6 kDa