

Product datasheet for **VC101509**

U70 (NC_000898) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	U70 (NC_000898) 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 VC101509 represents NCBI reference of NP_050249 with codon optimized for human cell expression
 Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGACCTTAACCAAGATCTCTGAAACACTCTCCGCAGTGGCTGAAGAGGAGCCTCTGACTATGTTTCTGC
 TGGACAAGTTGTACGCTATCAGGAAAAAGATTAAGCAGGTGCCATTCTCTATTGTGCGCCTGTGCCACGT
 AACTGTCATGCTCATTAAAGTATAATGCAAGCAACAATAACTGCATCTTGGGCCGAAAGCTTATCGAGGAA
 ATGCAACAGTTTCTGTGCGGAGCCAGAGTGGATGGATCTGAGGACGTGAGCATGGACATGAGTGAATTGT
 GCAAACGTACGACTACTGCCCTGCTCTGCTCAGCCTTGTGCCGGCTCCCTGTGTCTTTGTCAATAA
 ACTGTTCAAAATCGTTGAACGGGAGACGCGAGGGCAGAGTGAATCCCTTTGGCATGCCCTGAGACGC
 TATACAGTCACTGCCACAAAACCTTATGACATCTACACTACAAGGAACCTCCTCGAGCACAAAGGCCAAC
 AGTTCTTTGGGGAAGCAGTTATATACGGGGCGAAGCATGAGAGGGTGATACGCCATCTTGTGCCATCTT
 CTACGTGAAAAGGGAGGTTAAAGAAACCTGGGCTTGTGCTGGATCCCTCTAGCGGAGTTTTCGGGGCG
 AGTCTGGACGCCTGTTTTGGAATATCATTAAACGAGGATGGATTCCTTATGGTCAAGGAAAAAGCCCTGA
 TTTTCGAAATTAAGTTCCGCTACAAGTACCTGCGGGACAAAGAGGATCACTTCGTTAGTGAGCTGCTGAA
 GAATCCTACGGAGAAGTCTTTTTCAGACTTTATCTGAGCCATCCAGTGCCTGCGATTGAATTCGAGAG
 CGGGGAAAGATCCCTCTAGCCGCGAGTATTTGATGACCTACGATTTTCAATATCGGCCTCAGCGGAAGC
 TGAGAACCTGTCCGACTCCAGCAATTCTGACACCCACATCAAACAGCTGCTGTGTCTGAACGAGACCCA
 AACTAGTACGGTGATAGTCTTTGACTGTAATCCACCTGTCCGAACAGAACTAGCGTGTCCAGAAA
 GCTGTATTTACAGTTAACGTGTTTCGTGAATCCCAAGCATCGTATTTTTTCCAGTCACTGCTTCAGCAGT
 AGTTCATGACCCAGTTCTACATCAACGATCACTCCAACCCAGAGTATATAGAATCAACAGAGGTACCATC
 CGTTCACATTGTACCGCACTTTTCCGACGAGGACCGAAGAGGAGAGATCTCTGCATCTGGTGATCGAT
 GAAACGGAATACATTGAGGAGGAGATACCGCTTGTCTGATCGTTACACCCGTTGCTCCTAATCCAGAAT
 TCACATGTCGAGTGATAACTGACATTTGTAATTTGTTGGGAGAACAACATTTGTAACAGACTTCCCTCCA
 GGTGTGGGCTCAGAGTCCGTAATCAGTACCTGGCAGCATGCGTTCGGAAGCCAAGACGCC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>VC101509 representing NP_050249
 Red=Cloning sites Green=Tags

MDLNQISETLSAVAEELPTMFLLDKLYAIREKIKQVPFIVRLCHVYCMILIKYNASNNNCILGRKLIEE
 MQQFLCGARVDGSEDVSMDSSELCKLYDYCPLLCSALCRAPCVFVNKLFKIVERETRGQSENPLWHALRR
 YVTATKLYDIYTTRNFLEHKGQFFGEAVIYGAKHERVIRHLVAIFYVKREVKETLGLLLDPSSGVFGA
 SLDACFGISFNEDGFLMVKEKALIFEIKFRYKYLKEDHVFSELLKNPTEKSFSDFILSHPVPAIEFRE
 RGKIPSSREYLMTYDFQYRQRLRTPAILTPHIKQLLCLNETQTSTVIVFDCKSHLSEQKLSVFQK
 AVFTVNVFVNPKHRYFFQSLQYVMTQFYINDHSNPEYIESTEVPVSVHIVTALFRRRTEEERSLHLVID
 ETEYIEEIEIPLALIVTPVAPNPEFTCRVITDICNLWENNICKQTSLQVWAQSAVNQYLAACVRKPKTP

TRTRRLE**QKL**ISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NC_000898

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_000898.1](#), [NP_050249](#)

RefSeq ORF: 1464 bp

Locus ID: 1497070

MW: 56.7 kDa