

## Product datasheet for **VC101508**

### U69 (NC\_000898) Virus Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	U69 (NC_000898) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	U69
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 VC101508 represents NCBI reference of NP\_050248 with codon optimized for human cell expression

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

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGGATAACGGGGTAGAAACACCACAGGGACAGAAGACACAGCCCATCAACTTGCCCCCGACCGGAAAA  
GACTTCGGAAGCATGATGGACTTGGCAAGGGTGTAAAAGGAAGCTGTTTGCCGAGGATTCTAGCCCTCT  
GAAGAAACAGATTCTGCATGCTCCGATATGGAGACCCTTTCATCCCCTGTCAAGTTTGGATGTAAGAGT  
AGATCCGCGTCCGCGCTGGATGAAAGCTTTGGGAAGTGTAAACACGAGACCGCTTGTGATTGCTCCGCGA  
TCGAAGAATTGCTGTGCACGAGTCTCTGCTGGACAGCCCATGAAGCTTCCAACGCCCATACTATCTT  
CTCCAGCGACAAGTGAAGCTGGAATTGGAGAAGATAATCGCCTCTAAGCAAATCTTTCGACATGTCA  
GAAAACGTGGAGCTCGTAGCATATGGGGAGACTGTGCAATCTTAGGATATTCGAGAAAATTAGTTCTC  
CATTTTTGTTTGTGTTCAAAGTGAAGAACGGTCTACTCTGTGGTCTATGTGCCCAATAAAGAAGT  
CTGCGGCCAATTCGCCAACAGAGAAAACGATGGCCAGAGTGTGGCGTTGGGGCTTACGGCAAAGTT  
TTTGATCTTGACAAAGTGGCTATCAAGACAGCTAATGAGGATGAATCAGTGATATCCGCCTTCATCGCTG  
GGGTCAATAGAGCCAAGTCCGGCGCCGACTGTGTCCACGACTGTGTGATCAACAACCTTCTTATATC  
TAACTCAGTGTGTATGGACCATAAAGTTTCTGTCTCGGACATATGACGTCGACCTGTATAAATTCGAA  
GATTGGGATGTGCGAAATGTGATGAATTATTACAGCGTGTCTGCAAATGGCTGATGCCGTGAGATTTCT  
TTAATCTGAAATGTCGCATCAATCACTTCGACATTTCCCCATGAACATTTTTAATACCAAGAAGA  
GATCATCTTTGATGCGGTACTGGCTGACTATAGCCTTTCCGAAATCCACCAGAATATAACGGCACTTGC  
GCCATCGCTAAAGAGTACGACCGAAACCTGCAGCTGGTCCAATCTCAAGAAAATAAATTTGCGACATGT  
TCAATCTGGCTTCAGACCCCTTGTGGCCAATGCGATGATCCTGGTGAAGTATGTGAAGCTTTTGTATGG  
CGAAAATAACCCCTTCGACATTGTAACTTGGACCTGTGCGCTTTTGTCTAGGTGGTCTCTGTGTGTG  
CTCAGAATGACTGATAAGCGCGCTGTAGAGAGGCCCACTGACTACGAAAAGAGACTGTTTGCCTGG  
CCAATGAAGCATGTAGGCTGAACCCACTCCGGTACCCTTTTGCCTACAGAGATGCCTGTTGTAAGGTGCT  
GGCTGAGCACGTCGTGCTGTTGGGACTCCTGTTCTATAGGGACGTCGTTGATTTATGAAAAGATATAC  
GACTTCTGGATGAGAGAGGCGAGTTCGGACTGAGGGATCTGTTTCGAGGCGACTTCTGAAACAATAGTA  
AATTGACCAGAAGACAGCCCATCAGAGGCGGGTTGGCCAGTTGCAGAGTCCGAATATGGCGAAAAGCT  
GTTGCACGATCTCCGCGCTTGTCTGATAACCTCCAGCGCTGACCTGGATAAGGACACATCTCTCTT  
TTTCAGATG

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>VC101508 representing NP\_050248

Red=Cloning sites Green=Tags

MDNGVETPQGQKTQPINLPPDRKRLRKHDGLGKGVKRKLF AEDSSPLKKQIPACSDMETLSSPVKFGCKS  
RSASALDESFGKCKHETACDCSAIEELLCHESLLDSPMKLSNAHTIFSSDKWKLELEKIIASKQIFLDMS  
ENVELVAYGETLNLRIFEKISSPFLFDVQSEERSYSVVYVPHNKELCGQFCQPEKTMARVLGVGAYGKV  
FDLDKVAIKTANEDSVISAFIAGVIRAKSGADLLSHDCVINLLISNSVCMCHKVSLSRTYDVDLYKFE  
DWDVRNVMNYYSVFCKLADAVRFLNLKCRINHFDISPMNIFINHKEIIFDAVLADYSLSEIHPEYNGTC  
AIAKEYDRNLQLVPISRNKFCDMFNPGFRPLVANAMILVNVCEAFDGENNPLRHCNLDLCAFAQVLLCV  
LRMTDKRGCREAQLYYEKRLFALANEACRLNPLRYPFAYRDACCKVLAEHVVLLGLLFYRDVVDIYEKIY  
DFLDERGEFGLRDLFEATFLNNSKLRTRQPIRGLASLQSEYGEKLLHDLRALFLITSSADLDKDTSSL  
FQM

**TR**TRRLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**


**ACCN:** NC\_000898

**ORF Size:** 1689 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\\_050248](#)

**RefSeq ORF:** 1689 bp

**Locus ID:** 1497069

**MW:** 63.9 kDa