

Product datasheet for **VC101417**

U69 (NC_001664) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	U69 (NC_001664) 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 VC101417 represents NCBI reference of NP_042962 with codon optimized for human cell expression

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

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGCATCGCC**

ATGGACAACGGGGTGGAGACCCCCAGGGACAGAAGACCAACCAATCAATCTGCCACCCGTGAGGAAGA
AACTTAGAAAGCATGAAGGGCTGGGCAAGGGAGTGAAGCGCAAGCTGTTCCGCGAGGACTCTCCCCCT
TAAAAAGCAGATCTCTGCATGTTCCGACATGGAACACTCAGCAGTCCGGTAAAAACCGAATGTGAGTCT
CGGTCTGCTTCTTTGGATGAGAGCTTTGGGAAATGTAAGCATGAGATCGCCTGCGACTGTAGCGCCATCG
AAGAACTGCTTTGCCACGAAAGTCTCCTCGACAGTCCCATGAAGTTGTCAAATGCTCATACTATTTTCTC
CAGCAATAAGTGGAACTTGAACCTGAAAAATCATAGCCTCCAAGCAAATCTTCTGGACATGAGCGAA
AATGCGGAGCTCGCCGCTTACGGAGAAACCTCTGCAATCTGCGGATTTTCGAGAAGATTAGCTCTCCCT
TTCTGTTTGACGTGCAGTCCGAGGAACGGAGCTACTCTGTCGTATGTACCCACAACAAGGAGCTGTG
CGGCCAGTTCTGCCAGCCGAAAAACAATGGCTAGGGTCTGGGCGTGGGCGCATACGGGAAAAGTGTT
GATCTTGACAAAGTGGCAATTAAGACTGCTAATGAAGACGAAAGCGTTATAAGCGCCTTCATCGCGGGCG
TCATTCGAGCCAAATCCGGGGCGGATCTGCTCTCCACGAGTGCCTTATCAATAACCTCCTGATATCCAA
CAGCGTCTGTATGTCCTAAGGTGTCCCTTTCCCGCACCTATGACATCGATCTCCACAAATTTGAGGAC
TGGGACGTGCGCAACGTTATGAACACTACTCCGATTCTGCAAACCTGGCCGACGCTGTGCGATTCTGA
ACCTGAAGTGCAGGATAAACCATTTTGTATCAGCCCAATGAATATCTTCCTTAACCATAAGAAGGAGAT
TATCTTCGATGCTGTGTTGGCCGACTATAGCCTCTGAAATGCATCCAACTACAATGGCACCTGTGCC
ATCGCAAAGGAATACGATAAGAACCTGCAGCTCGTACCAATTTCAAGGAACAAATTCGCGATATGTTCA
ACCCAGGTTTTAGGCCGCTGGTCGAAATGCGATGATCCTTGTGAATGTTTGTGGGGCTTTCGACGGTGA
GAATAACCCCTCCGACATTGTAACCTGGACTTGTGTGCATTGCTCAGGTGGTGTGCTATGCGTTCTC
CGGATGACCGACAAACGCGGATGCCGGGAGGCACAACCTTACTACGAGAAGCGGCTGTTCCGCCCTCGCGA
ACGAAGCTTGACACTTAATCCCTGAAGTACCCTTTGCTTATAGAGATGCTTGTGTAAGTGTCTTGC
CGAACATGTGGTGTGCTGGGTCTGCTTTTCTACCGGGACGTGGTGAAATTTACGAGAAGCTGTACGAC
TTCCTCGATGAGCGGGGGAGTTGGCTCCCGAGACCTGTTGAGGCAACATTTCTAACAACTCAAAC
TGACCAGACGACAACCTATCCGGAAGGGCTCGCCAGCCTTCAAAGCAGTGAGTACGGCGAAAAACTGTT
GCATGACTTGAGGGAACCTTCTCATTAAACAGCACAGCAGACCTGGATAAGGACTAGTCTCTCTTCTC
CATATG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>VC101417 representing NP_042962

Red=Cloning sites Green=Tags

MDNGVETPQGQKTQPINLPPVRKKLRKHEGLGKGVKRKLF AEDSSPLKKQISACSDMETLSSPVKSECES
RSASLDESFGKCKHEIACDCAIEELLCHESLLDSPMKLSNAHTIFSSNKWKLELEKIIASKQIFLDMSE
NAELAAYGETLNLRIFEKISSPFLFDVQSEERSYSVVYVPHNKELCGQFCQPEKTMARVLGVGAYGKVF
DLDKVAIKTANEDESVISAFIAGVIRAKSGADLLSHECVINLLISNSVCM SHKVSLSRTYDIDLHKFED
WDVRNVMNYYSVFCKLADAVRFLNLKCRINHFDISPMNIFLNHKKEIIFDAVLADYSLSEMHPNYNGTCA
IAKEYDKNLQLVPI SRNKFCDMFNPGFRPLVANAMILVNVCGAFDGENNPLRHCNLDLCAFAQVVLSCVL
RMTDKRGCREAQLYYEKRLFALANEACRLNPLKYPFAYRDACCKVLAEHVLLGLLFYRDVVEIYEKLYD
FLDERGEFGSRDLFEATFLNNSKLTRRQPIREGLASLQSSEYGEKLLHDLRELFLINSTADLDKDTSSLF
HM

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NC_001664

ORF Size: 1686 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_042962](#)

RefSeq ORF: 1686 bp

Locus ID: 1487950

MW: 63.7 kDa