

## Product datasheet for **VC101616**

### **U76 (NC\_001716) Virus Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	U76 (NC_001716) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	U76
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 VC101616 represents NCBI reference of YP\_073816 with codon optimized for human cell expression

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

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGTTGAGAAATCAATCTGTGGAAATGGCGTCTCTAAGCAAGCTTCTGCGAAAGCCGCCACCTTCAGCA  
CTATTAACAGCACACTGGCCGCCGACGACATGTTCAAGAGGAACCTTGTAGCTACCTTCCTCTGAATAA  
TGAAGATAACGACATTCTGTTTCCTTCAATTAACCATTAAATTCATCGAGATGTTGCACGGTAAGAAG  
GAGTTTTTCAAGGGCCAGTCTATTCACAGCGTGCTTAGAGACTCAGCCGTGTTAAAAAGCAGATGTTTT  
ACACACTGAGCCATACTCTTTGAACCTATCAGCATCCAGCAAATCAACGCCGAGTGGCAGCGACATCT  
CAAAGCATTCCCGTTTCGCAGTAAAGGGATGTCTTTTCAGGAATACTTTAATATCTGGTATTATGCAATT  
AAACAGGTTATACTGGAAGGCATCCTTCAGACAATAAATACATCTTGCAGAACCTTGATAACGACATAT  
ATAATAAATACATCGATTGGATCTGCACATATAGGCATAACTCCGATAGTAACCCTCCCAAAGAACAAGT  
GACCCTGACACCTTTGGCGAAGAGCATCTCAAGCCGCTGATCCAGGAAATAATCCGGAACAAGCAGAAC  
TTTCTTCTGCATATTTTACACAGATTAGCTCAACAAGCATTGCAGATTTTACGAATATAAATATATATA  
GGAACAAATCCAATGGGAACATTACGTGCCTGTCAAACAACAAGAGCTGGAATACTTCTGTATAGTGC  
TCCATATTTTCAATTAACAACCAGCTCCTTTTACCACCTCTCTGGCGCACCTTTACAGTGAAGTGAATAAG  
CACGAAAACCTCCATAGGCACCGGAAGATGTGTGAGCTCCTCAATACATTCCTTAAAGTCTTGACCA  
CTTCAAAGAACTCCGTGGACAATAAAAAATCTTGAGGCTCATCGAACCGGAAGAGAAGACCTCCGACGC  
TAAGAAAAGTCTGATTAATTCCTGCTGAACTCTCTGACAGTAACTCAAGATTGGCATTACCGACTCT  
ATCGAAGGGTTCTTGAAGACATTACACCGTCTATTATTGACCAGAATAAATCCTGATTTCAAAGGGA  
ACCTGCAGCGACGCGGGCAGGATAACAACGACCGGGACATCAGGGACATCTTTAAGAAGCAGATCATCAA  
GTGCATGGAAGAGCAGATACAGTCCCAGCTTGACGAAATCGAGACCCTGAAGACCGCAAACAGACTGTTT  
GAGAATAAAATTAAGATATGCACAGCCTCATCAATCTGAGTGAGACCAGCAAGCATGATTTTACCCTGG  
ATTCAGACATCGAATCTCTCCTCGCGAAAGCCTTGAACAAGGTGCAGAGCCTGCCATTTACTTCTGT  
CAGTATAGATGATACTCGGGCAGTCGAAATTCCTTCTTAGCCAGTACATTCTGACATCGAGTATGCA  
GATAAGAAAATCGATCAGCTGTGGGAGACCGAGTATACTCGCACATTCGACTCAGGAAGAATGTGAACA  
ACCAGGGACAGGAAGATTCCATTAGTTATTCCAATACTGAGCTGCTGCTCATCCATTATGAA  
GCACGTAAGCTGCGGCATTTTGAACCTCTGCCCAGAAGATTCTCTTTCTCAGTCTGAAGGAAATC  
ATGCTGGCCGTGATTCAAATTGTAAGATAAAGCATTACCTGCGCCTGATCTATATCCGGCAAATTAATG  
AACTGAGCCATCTCATCCATACCAAAAACAGTCTGATCTCACCTCACGCCAGACCTGGGCAGACTAA  
TCCGGAAGATTTTCAAGTATCCTCAAGACGATGTAGCATCAAAGCTGAAACGCATCCGCAACAGCCGGCAC  
ATTCAGTATATTAACGGCCCGAGTACCTC

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >VC101616 representing YP\_073816  
Red=Cloning sites Green=Tags

MLRNQSVGNVSKQASAKAATFSTINSTLAADDMFKRNFVSYLPLNNDNDILFPSIKTIKFIEMLHGKK  
 EFFKGQSIHSLRDSAVFKKQMFYTLSHLLNSISIQINAQWQRHLKAFPFRSKGMSFQYFNWYYAI  
 KQVILEGILQTINYILQNLNDNDIYNKYIDWICTIGITPIVTLPKNKVTLPLAKSISRLIQEIIRNKQN  
 FLLHLTQISSTSIADFTNINIYRNKSNNGITCLSNKELEYFVYSAPYFINNQLLFTTPLAHLSELNK  
 HENLHRHRKMCQLLNTFPIKVLTTSKNSVDNKKILELIEREEKTSDAKKSLIKFLLNLSDSKSKIGITDS  
 IEGFLQDITPSIIDQNKLKLSKGNLQRRGQDNDRDIRDIFKKQIICKMEEQIQSQLDEIETLKTANRLF  
 ENKIKDMHSLINLSETSKHDFTLDSIESLSLAKALNKVQSLPFTSVSIDDTRAVANSFFSQYIPDIEYA  
 DKKIDQLWETEYTRFRLRKNVNNQGEDSISYSNYTLELLLIPFMKHLKLRHFELLPEEFLSLKEI  
 MLAVYSNCKIKHYLRLLIYRQINELSHL IHTQKQSDLTLPDLGSTNPEDFQYPQDDVASKLKRIRSRH  
 IQYIKRPEYL

TRRRLEQKLISEEDLANDILDYKDDDDKV

**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**



**ACCN:** NC\_001716

**ORF Size:** 1920 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\\_073816](#)

**RefSeq ORF:** 1920 bp

**Locus ID:** 3289534

**MW:** 74.5 kDa