

Product datasheet for **VC101358**

U10 (NC_001664) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	U10 (NC_001664) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	U10
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 VC101358 represents NCBI reference of NP_042901 with codon optimized for human cell expression
Red=Cloning site **Blue**=ORF **Green**=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGAATCGTAACTTATAAGACCGTCAGTGCGCGCTCCCAACCGTGACATGGTCTAGTGGCTTTGGCA
 GAGCCATCGCATCTATTAGAAAAGAAACCAGGACAATATTCGAAACCCCTCCGATTTTACACCGGACT
 CCTGCATTGTCTCATCAAGCAGTACGAGCATTGTCTTGTCCACCAATAAGTCTATCCGCTTCGATAAG
 GGCAAGATTGAGTTGCTGCTCTGATTCTTGATCTGGCCATCAGGTCTTGACGGCAAATACATGTGC
 GCCAACGGATCTATTCTGGACTCCATAACCCTTCTAAGTTGTTCACTCCAAAAGAACTCTACTTCT
 GATCGCATCTCCGAAGAGGAAAATATCGCTTCAATCCGACAATTAAGGGAGGATGGATCAGCGGT
 AGTTTCTCATACCCAGTAGATTACAGAAGCAATTTCTCCCTACTGGGATGTCTGCAAACATTCTCATGG
 TCCATTTGTCCCTATAAATATCTCTCAACTACGCTCGGTTTATCTCCTCCATCGATCTTATGATCCT
 TAATGAGCAGTCCCGAAGACATGAATGTGGGGACATCAAAATCTGAAACAACGCAACTATCTGTACCTG
 GGTGTCATCAAAAATCTTACCTGGAAGAAATCAGTGACGGGAACGGGTCAGACGGCACCCGACAGAATTC
 TGAAGGCGTCTTCATCGGTAGCTGGCCTGACACTTCACTGCCGATCGAGTCGCATTGAGATTTTTTAA
 CAACACACGCTTCAAAATACATTGTACGAGTTCTCAATCAATATCGAGAATTTGGGCTGGTCAAGAA
 AAAGAAAAGGTATTTGGGACTCTCGCCACAGTGTGCTGCGAGCAGATTCTTCACTCCTTACTACCGAGA
 ATCTCCCTAAATACCTTATTGTGCAATTTGAAGTTGTGACCCAAATTGAAGAGCCGGAGCCCTTGCTCT
 CTCCAGTAATCCTAAGCTTTATTTACAGGTGATGTGCTGAATGCTACTATCCAGCTGCAACACAATCCA
 AATTACTACGAGTTGCTGGTTCACGCCCATACGATATTCAATTTACCCTTCCCGGTGTCACATTGTGA
 TTCTGCCATCCGGTATTTTACCAAACCCGACAAACAAATCCTTATCTCCGGGTACCAGAATGAAGGCTT
 CTTCGAAACTCAAGTCATGCTGTGGCACCAGGGACTCCCTCCACATACTTTGAGATCCTTTTACCC
 AATCTGATTCTGCCTCAGAGCACCAGCGGAGGAACAGGAAAGCAGTT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>VC101358 representing NP_042901
Red=Cloning sites **Green**=Tags

MEIVTYKTVSARSPTVTWSSGFGRAIASIQKRNQDNIRKPLRFYTGLLHCLIKQYEHCLVPPNKSIRFDK
 GKIEVAALILDLDLGHQVLGRQIHVRQRIYSWTSITLPKLFTPKELYFLIASPEEENIAFNPTITKGGWISG
 SFSYPVDYRSNFSLTGMSANILMVPFVVPKYPLNYARFISIDLMILNEQFPEHECGDIQLKQRNYLYL
 GVIKNTWKKSVTGTGTAPHRILKASFIGSWPDTSLPDRVALRFFNNTRFTIHCHEFSINIENLGLVKN
 KEKVFGLTAVCCEQIPSLLTENLPKYLIVQFEVVTQIEEPEPLLFSSNPKLYFTGDVLNATIQLQHNP
 NYYELLVHAPYDIHFYPSRCHIVILPIRYFTKPKQILISGYQNEGFETQVMLWAPGTPLHITLRSFSP
 NLILPQSTKRRNRKAV

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:


ACCN: NC_001664

ORF Size: 1308 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_042901](#)

RefSeq ORF: 1308 bp

Locus ID: 1487889

MW: 50.1 kDa