

## Product datasheet for **VC101550**

### **U10 (NC\_001716) Virus Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	U10 (NC_001716) 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 VC101550 represents NCBI reference of YP\_073751 with codon optimized for human cell expression

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

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGCATCGCC**

ATGGCCATCGCAGAGAGCGGAGCTTTCGAGATTACGTGAACCTCGGAAAGAGCATCGCCTCTATTCAAA  
AAAACCCCATCATTTACATGAGAAGACACCTGAGTTTCTATGTGGAAGTCTGAAATTCATAATACATCA  
GTATGAGCAGTGCTTCTGCCACCAAGGGCACGATTTTGTACCACAACGGTCTGATTGAGCTCAATACC  
CTCATCATCGACCTGAATCAGCAAATCACGAGCAAACAGCAAATATATTCATGGACCAGTATTACGCTTC  
CAAAGATTTTCAGTACCAAGGAAGTGTACTTTATCGTCGCCTCACCAGAGAGCGAAAATATCACCCCTGAA  
CCCGGCGGTACCAAGGGAGGCTGGCTGTCTGGTTCTTTTTCATTTCCCTGTCCCTCAGCTGTGCCTAC  
GCACTGACAGGCGTATCTTCTACCATTTACATGTTGCCTTTCATTCCCTACAAGTTTCCAATGACATATG  
TAGACTTCTCCACTCTTAGGACCTATGAGGTGACCAGTGAATACGGCAGCATTGAGATCATCAAGCAGAG  
AAATTTCTGTTTCTGGGCATCATCCGGGACCTGTCATGGAAGTCCCAGCGCGACAATAAGAACTTCATC  
CTCAAAGCGATGTTTGTGGGCAACTGGTTGGGGATTCAAATACCCGAGGCTTTTGCCTGCGGCTCTTTA  
ATAACACCAGGTTGAGCATCCAGGACTTTGAGTTTAGCATAAAATCCAGAACATTAATCTCACAAAGGGA  
TAACAAGATACTGGGTCTCTCTACTGTGATGATCAGATGCCCCCAATCTGTCTCCGGAGAAT  
CTGCCTAACTACCTGGTGATTCAATTTGAGCTTGTCTCTACCCTGGCAAACCCAGACCATTTGCTGTTCA  
GCTGCAATCCCAAGCTGTTCTTCACTGGTGATATCCTGAACAGTGCCATTAATTTGCAGCATTCCCCAAA  
TCATTACGAATTGACAGTTTACGCTCCACACAACCTGCATTTCTACCCCTCATGCTTCCATTGTCACA  
CTCCCTATTCAGTTTAGTACCCGGAACGACAGCAAATGCTGGTCAGCAGCTATCCCAATGAAGGTTATT  
TTGAGGTCCAGATGTGTCCATGGGTTCAGAATAGCCCCCTGCAGATTGTGATAAAGTCTTTCTCCAAAA  
CCTCGTGTGCCACAGGGAACCTATCGCAATCTTCTGTATATGAAAAAATGACCACCGCAAGAAT  
AGCCTGCGGATCAGGAGTTGAAGATTAATAAAGATTAATCTCGAATCGGAAACGTGAATCTGCCTAAGG  
AAAATTTCTGCATTATAACAGT

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>VC101550 representing YP\_073751

Red=Cloning sites Green=Tags

MAIAESGA FEINVLGKSIASIQKNPIIYMRRHLSFYVELLKFIHQYEQCFLPPKGTILYHNGLIELNT  
LIIDLNQIITSKQIYSWTSITLPKIFSTKELYFIVASPESENITLNPVTKGGWLSGFSFPLSLSCAY  
ALTVSSTIYMLPFIPYKFPMTYVDFSTLRTYEVTSEYGSIQI IKQRNLF LGLIIRDLSWKSQRDNKNFI  
LKAMFVGNWLGIIPEAFALRLFNTRFSIQDFEFSINIQNINL TRDNKILGSLSTVSCDQMPNLS PEN  
LPNYLVIQFELVSTLANPDHLLFSCNPKLFFTGDI LNSAINLQHSPNHYELTVYAPHNLHFYPSCFHIVT  
LP IQFSSRNRQMLVSSYPNEG YFEVQMPWQNSPLQI VIKSFSKNLVLPQGTPIA ILLYMEKMTTGKN  
SLRDQELKINKDITRIGNVNL PKENFLHYS

**TR**TRRLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

Sgfl-Mlul

**Cloning Scheme:**


**ACCN:** NC\_001716

**ORF Size:** 1353 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\\_073751](#)

**RefSeq ORF:** 1353 bp

**Locus ID:** 3289469

**MW:** 51.7 kDa