

## Product datasheet for **VC101420**

### U72 (NC\_001664) Virus Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	U72 (NC_001664) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	U72
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>The Viral ORF clone VC101420 represents NCBI reference of NP_042965 with codon optimized for human cell expression Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGCGTCTAGCCGGTTGATACAATCAATCTTCGGATTTGGCTTGTGTCTATCATTTCGCCGCTCTGT  
CCTTTATTAACGTGACCGTGTACCTTATCGCCATCAACTCCCAAATTTGGGATCCCATGTGCTTATTT  
TGAGATCAACGACCTGAAGGCAGTCAACCTTAGCGCAACAATCAGATTTACCAGATGACCCACCAGCTT  
TATATCAACCCCGTCAAATTATCTGCTATGTGCTGATTATGGCAATGCTGTTCCCTGATTATCATCT  
ACTACATTGTTTGTGCTAAAGTGTTTCAGCTCTAACAAGACGTCGAATGTGAATCAAACCTACCCGAGA  
CATTACTTGGATGGCGATACAAGTAGTTGTTTCCAATTCATCCTGATTATGGACACGTTTCAGCTCTTC  
GTCACCGCTCTGTCTTTTCGGCTGGTAGCACTGGAGCTTTTGCCTACTGCATCTTTTTCGTTTGTTC  
CAACATTTAACGTGACACTGATTACGCAGTTTCAGAGTGTGACAAGAGCTTCTTTGCTTTTCAGAAGAT  
TCACCCAAACCTAAGGGTACCGTTTCAGTTCAAGACTGTCGTTATTAACCTCACAGAGCTTATGCTGGG  
TACTCCACCATGTTTCTCGGTATTACCACATGCCTGGGTGTGGTAACAGCATCTATATCCGCAGCATT  
CAGTCGCCTACAGCAGTATAAACACATTTCTCGTATGGCCTGCATTTATTCTATTGTTATAGAGGCCGT  
CCTGGTCAGATATGTGAAACCTCTGTTTCGTTACTACGTTGGGATGTTTTGTGGTGTGCGGTCTGAGC  
TTCCCAATTCTGCAGTACGAAACTTTTTTGAAGCGAGTGGAGTACTGGGCTGATTATCAACCTGGCCG  
TCATCGCCATCATCTCCATTGGTTCATTATTTGTCGACTCGTGCATATCTGGTAAAAAGAAGCGGAG  
GTACAAGCAGCTCGTCAATACAGAATCCTCCTCATTGATGGATGAGAACGAG

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >VC101420 representing NP\_042965  
 Red=Cloning sites Green=Tags

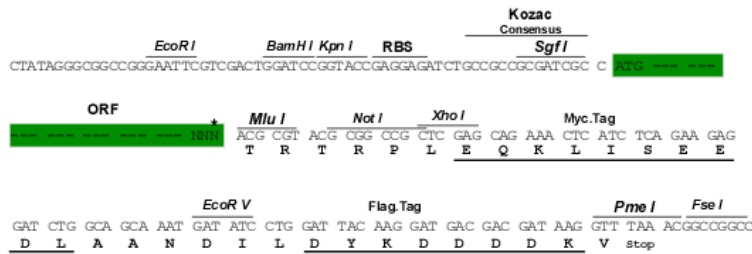
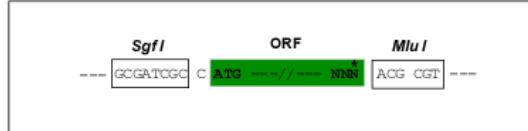
MASSRVDITNLRILVSIICAALSFINVTVYLIAINFPNLGFPCAYFEINDLKAVNLSANNQIYQMTHQL  
 YINPVQIICYVLIAMFLIIIIYYIVCCAQVSSNKTSNVNQTTTRDITWMGDTSSCFQFILIMDTFQLF  
 VTALSFRLVALGAFAYCIEFFVCFITFNVTLITQFQSADKSFFAFQKIHPNLKGTVQFKTVVINLTELMLG  
 YSTMFLGITTCGLGVGNSIYIRSITVAYSSINTFLVMACIYSIVIEAVLVRYVKPLFGYYVGMFCGAVGLS  
 FPILQYETFFESEWSTGLIINLAVIAIIISIGFIICRLVRYLVKKKRRYKQLVNTESSSLMDENE

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



\* The last codon before the Stop codon of the ORF

**ACCN:** NC\_001664

**ORF Size:** 1032 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\_042965  
RefSeq ORF: 1032 bp  
Locus ID: 1487953  
MW: 39.0 kDa