

Product datasheet for **VC101511**

U72 (NC_000898) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	U72 (NC_000898) 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 VC101511 represents NCBI reference of NP_050251 with codon optimized for human cell expression Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCCTCTTCCCGGTAGATACCATTAATCTGCGAATTTGGCTGGTTCCATCATCTGCGCGCGTTGA
GTTTCATTAATGTGACAGTCCACTTGATCGCAATTAACCTTCCAAACCTTGGCTTTCCTGCGGCTACTT
CGAAATCAACGACCTGAAAGCTGTCAATCTCCGCTAATAATGAGATTTACCAGATGACTCACCAGCTG
TACATCAACCTGTCCAGATCATCTGTTACGTGCTTATTATGGTATCCTTTTCCCTGATTATAATCT
ACTATATCGTCTGCTGCGCTAAAGTTTTAGCTCAAACAAAACAAGTAATGTGAACCAGACAACCAGGGA
CATCACCTGGATGGGCGATACTTCATCATGCTTTCAGTTCATCCTGATCATGGATACTTTTCAACTTTTT
GTTACTGCTCTGAGCTTCCGGCTGGTTGCCTTGGGTGCCTTCGCATATTCAATATTCTTTGTGTGCTTCA
CAACGTTCAATGTGACCCTGATCACACAATTTCAATCCGCCGACAAAAGCTTTTTGCTTCCAGAAGAT
TCACCCTAACCTGAAAGTACTGTGCAATTCAAAACCGTTGTCAATTTGTCCGAATTGATGCTCGGG
TATTCAACAATGTTTCTGGTAACTACATGCCTTGGCGTGGGCAATTCATCTACATTAGGTCTATCA
CGGTGCGCTTTTCTTCAATCAACACCTTCTTGTGATGGCATGCATCTACTCCATTGTAATTGAGGCCGT
CCTTGTGCGCTACGTGAAGCCCCTTTTCGATATTACGTGGGATGTTTTGCGGCGCTGTGGCCCTCTCA
TTCCCATTCTGCAGTACGAGACCTTTTTCGAGTCTGAGTGGTCCACCGACTGATCATTAACTGAGCG
TGGTGGCAATAATCTCAATCGGATTCATCATCTGCAGGCTGGTGAGATACCTGGTAAAAAGAAGAGCGC
CTATAACAGCTGCTCAATGCTGAATCTTCATCACTGATGGACGAAAATGAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >VC101511 representing NP_050251
Red=Cloning sites Green=Tags

MASSRVDITNLRILVSIICAALSFINVTVHLIAINFNPGFPCAYFEINDLKAVNLSANNEIYQMTSQL
 YINPVQIICYVLIIMAILFLIIIIYYIVCCAQVSSNKTSNVNQTTTRDITWMGDTSSCFQFILIMDTFQLF
 VTALSFRLVALGAFAYSIFFVCFVTFNVTITQFQSADKSFFAFQKIHPNLKGTVQFKTVVNLSEMLG
 YSTMFLGITTCCLGVGNSIYIRSITVAFSSINTFLVMACIYSIVIEAVLVRYVKPLFGYYVGMFCGAVGLS
 FPILQYETFFESEWSTGLIINLSVVAIIISIGFIICRLVRYLVKKKRRYKQLLNAESSLMDENE

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_000898

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_000898.1](#), [NP_050251](#)
RefSeq ORF: 1032 bp
Locus ID: 1497072
MW: 38.9 kDa