

Product datasheet for VC101612

U72 (NC_001716) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	U72 (NC_001716) 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 VC101612 represents NCBI reference of YP_073812 with codon optimized for human cell expression Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCACTTAGTCGCGTCGACGTGATCAACATGCGCATCTGGTCCTGAGCATTATATGTGCCTGTCTGA
CCTACGTGAATGTTACAGTGCACCTCGTTGCGGTTCACTTCCCAATCTTGGCTTCCCGTGCCTTATTA
TGAATCAACGCATGAAGGCTATAAATCTTTCAATTCGAAACGATATTCGCAGCCTCACCCCAACTG
TATCTCAACCAATCCAGCTTATCTGCTACGTGGTTTTATGGACATCTGCTTTTTCTTTATCCTGGTTT
ACTACATCGTGTGTTGTGCAAAGTGTTCGAAAGCAGAGACCCGAATATCAACCAATCCACGCGGGA
CATAACCTGGATGGGAGACTCACTGAGCTGTTCCAGTTCGTGCTCACCATGGACACCTACCAGTCTTT
GTGACATGCCTGAGCTTCAGACTGGTGACCCTGGCAGCCTTACATATTGTCTCTTTATCTGCTTTA
CAGCCTTTACTCTGACGATGATCACTCAGTATCAGTCCCGAGAGGTCCTTTTTCTGACTCAAACGCAT
CCATCAAAGCTGAAGGGCACTATTAATAACAAGACAATAATTATCAATATGATAGAGCTCATGTTGGC
TTTTTCATCCATGGTTTTCGCAATCACCATCTGCCTGGGCCTGGGAAACAATTCTACATTAAGAGCAGCA
CAGTGGCTTTTCGCTAGCATCAATACCTTTTTCGTGATGAGCTTTGTCTACTCCCTGGTATCGAAGTCA
CCTGCACCAGTATGTGAAGTTCAGTTTGGCCTCACTTTGGCATCCTTTTCGGTATCTTGGGACTTACA
TACCAATTCTGAAATATGATCCCTTCAAGACAGAATGGACGGTGAATTCATAGTGAATCTTGCGAG
TAATCACAAATAGTATGCCTGTCTTCAATATCTGTGCGTTGATCCGGTTTTTATGCGCAAACACCATAA
TTACAAGAAGCTCCCAACTACCGTGGAGGACCTGGATGTCCTGGAGGAAGCTAATGAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >VC101612 representing YP_073812
Red=Cloning sites Green=Tags

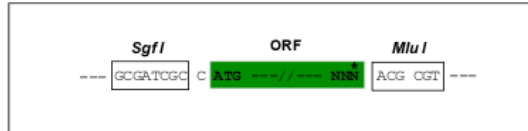
MALSRVDVINMRIWVLSIICACLYVNVTVHLVAVHFPNLGFPCAYYEINDMKAINLSIRNDIRSLTPQL
 YLNPIQLICYVVFMDICFFFIIVYYIVCCVKVFSSEKTPNINQSTRDITWMGDSLSCFQVLTMDTYQFF
 VTCLSFRLVTLAAFTYCLFFICFTAFTLTMITQYQSSERSFFVLKRIHPKLKGTIKYKTIINMIELMLG
 FSSMVFAITICLGLGNNFYIKSSTVAFASINTFFVMSFVYSLVIELILHQYVKVQFGLHFGILFGILGLT
 YPILKYDSLFKTEWTVKFIIVNLAVITIVCLSFIIICRLIRFFMRKHHNYKKLPPTTVEDLDVLEEANE

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_001716

ORF Size: 1038 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_073812
RefSeq ORF: 1038 bp
Locus ID: 3289530
MW: 40.1 kDa