OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for VC101613

U73 (NC_001716) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	U73 (NC_001716) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	U73
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence:

>The Viral ORF clone VC101613 represents NCBI reference of YP_073813 with codon optimized for human cell expression
Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGAGACGCAGTTGCAGAATGACCAGCTCTTTTTGGAGTGGTTCGGTCAGAACCTTCTTGACTGCCATT
TTGCTCAGAACGTGTCTGTCTACCTGCAGGACGCAAGCATGGTCCACTTCAAAACTTTCAGTGAGCAAAT
CAAAATCATACGCGCACCAATGGGCAGCGGGAAGACTAGTGCACTGATTGAATTTCTTAAGACAGTCTCT
TACATAGACTCAGTTTTGGTAATTAGCTGTCGCAAAACCTTCGCAGCAGAACTGCTTAACCGATTCAAGA
AAAATGACCTGAATGATTTCTATCTTTACTCCGAAATCAAGGAGAGACAGATTAACAAGAACAAGCTGAT
CATCCAGGTCGAGTCTCTGCACCGCGTGACGAGGAACTACCACGTTCTTATCCTGGACGAAATCATGAGC
ATCATAAAGCAATTTTACTCCAAGACCATGACCAAGGTGAAGGAAGTGGATGCCAAGCTCCTTACACTGA
TTCGCAACAGCACACAGATTGTCGCAATGGACGCCACCGTCAACCGGTATGTCGTGGACTTCTTCAGCCT
TTGTATGCCGCACTTTAAATCCGCGCTGATTATTAATACGTTCGTGTCCGCAAATTTCTCTAACAGATCA
GCATATTTTTGCCCAACCTTCATTGATGGAAATCTGGCATTTTATGGAATCCTGAAACAGAAGCTCGGAC
TTGGGAAGAATATCTGTCTCTTTTGCTCCACCGTGACGAGTGCCGACTTCATGAGTGAACTGTTGAAAAC
GGACTTTCCCGATAAGAAAATCCTCCTGCTTACATCCAAGCAAGGTAAATGTCACAGCGTAGAGAGCTGG
ATAAACTATAATATTGTCATTTACACATCTATTGTTACGGTTGGCCTCAGTTTCGATTTCCTGCACTTTA
GCGCTATGTTTGTTTATATTCATTTGGTGAAGGGGGGTCCAGATATGGTGTCAGTTTTCCAGTCTATGGG
CAGGGTGCGCAAGGTGACAGACAATGAGATATTCATCTACCTGAACCCTGCCTTGATCCAGGTGCCACTC
TCAGTGAGCCCGATTTCCATCCCACAGTGCTACGACTGGACACTGTTTGAGAAGTCAATCCTGCAGTGCT
CATGTATGGATTTCAATAAGAAGTGCCTGAGTGCCCAGAACTACCTGTCAAACTCCATGATTAAACAGTT
TTTTCGCATAAGGCACTACATCGAGAAAACCACGCTGCTGAACCTTCCCGATAGTTTGTATCTGCTTTGC
CTGTTGCTGGACTCAAACAGTATCAAAGTCCACATTGATGGAGACGTCTTTCCCATCGCAAAGGAAAAAT
TCTACGCCTTCACAAAGATGCTCGTTCAGGGCTGTCATTTTTTCGAAAAGAAGAAGACCGACTTTGTGGA
GAACACAATGACCCTCAAGGAGCTGCTGAGCAACACCAATATTACCGTCAATGGGGAGTTCTACGAGCTG
GGCAACTTTCAAGTGCACAAGGACTATATCGTGAACTTGAACAACTTCCAGAATCTCTTCCTTAAGAACG
ATGTCGATATCTTCGTGATTGAGGAGATTATGCTGACTCTGAAATCAGAGATCAGGAGATTCGTGTTCAT
TAACGCACTGCTGCAGAAATATGTGGCAACAGGAATCGACGTGGAAAAAATCAAAGCCTTCTTCAAGAGC
AGAATCAAAACATTTACCCTGCCTGAGAACTATATATGCAGCAAGTTCTATCTGCTCAGCGATATCAGTG
GAGTTCACGAATGCGGTATGCTCATGGACGTTGCCTTTTTGGCCGAAAGTATTCGGGCGGACCTCAATCT
CCAGTCCTGTACTGATACACAGACAGACATATCCGAGGATGCAATCCTGTTGTGCGCCGCAAGGCGGTCT
AGTGAAATTCTGAGGATCCTGCAGATTGTCTTCACAACTCACGTGCAACTCTTTGAGAAATATAACTCTT
ATACTCTGTACCTTTTCAACCGCCTGAAAGGGATGCAACTGAATACTTGGTCTCTGAGCATCGCCAAATT
TTCTGTCAGCATCATTAGAATGTTCTTCAAGTGCGCCTTCAATATGAACCTTGTGAAAAGCAAGCCCCGG
TATATTGTGGGCAAGCCATTCCGAAGCCTGACTAAGAGGGAAATCGAGACACTGCTGGACATGTGGCATG
TCTCTAGGACTAATTTGAAAACCTATAAAGAGCTGAGGAAAGCACTTACTGAGGCATCCAAGAAAAGGCA
GAGGAAGAAGATCTACAAGCTGCTGGGACATAATATTAGCTCATATATCAGCGAGACTGGGTGCCTGTTC
CAACACGCAGACGCGGGGATGTGCCTTAGCTCAGGATGTCTGCTGAGAAGC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

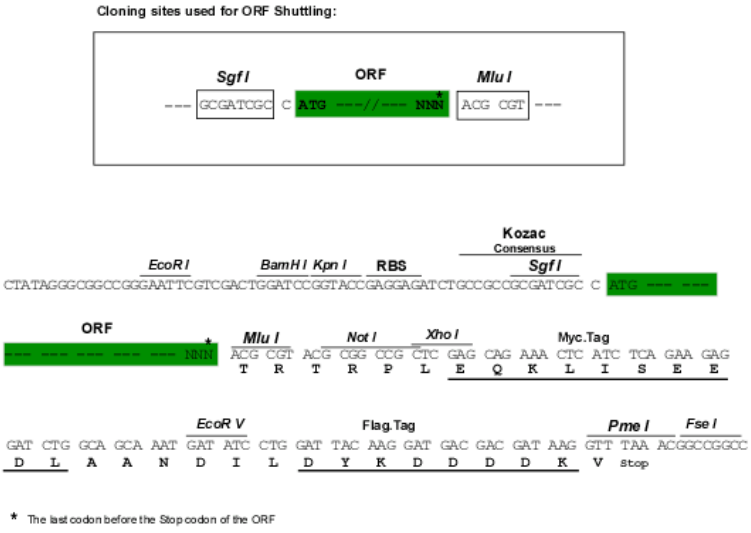
>VC101613 representing YP_073813
Red=Cloning sites Green=Tags

METQLQNDQLFLEWFGQNLLDCHFAQNVSVYLQDASMVHFKTFSEQIKIIRAPMGSGKTSALIEFLKTVS
YIDSVLVISCRKTFAAELLNRFKKNDLNDFYLYSEIKERQINKNKLIIQVESLHRVTRNYHVLILDEIMS
IIKQFYSKTMTKVKEVDAKLLTLIRNSTQIVAMDATVNRYVVDFFSLCMPHFKSALIINTFVSANFSNRS
AYFCPTFIDGNLAFYGILKQKLGLGKNICLFCSTVTSADFMSELLKTDFPDKKILLLTSKQGKCHSVESW
INYNIVIYTSIVTVGLSFDFLHFSAMFVYIHLVKGGPDMVSVFQSMGRVRKVTDNEIFIYLNPALIQVPL
SVSPISIPQCYDWTLFEKSILQCSCMDFNKKCLSAQNYLSNSMIKQFFRIRHYIEKTTLLNLPDSLYLLC
LLLDSNSIKVHIDGDVFPIAKEKFYAFTKMLVQGCHFFEKKKTDFVENTMTLKELLSNTNITVNGEFYEL
GNFQVHKDYIVNLNNFQNLFLKNDVDIFVIEEIMLTLKSEIRRFVFINALLQKYVATGIDVEKIKAFFKS
RIKTFTLPENYICSKFYLLSDISGVHECGMLMDVAFLAESIRADLNLQSCTDTQTDISEDAILLCAARRS
SEILRILQIVFTTHVQLFEKYNSYTLYLFNRLKGMQLNTWSLSIAKFSVSIIRMFFKCAFNMNLVKSKPR
YIVGKPFRSLTKREIETLLDMWHVSRTNLKTYKELRKALTEASKKRQRKKIYKLLGHNISSYISETGCLF
QHADAGMCLSSGCLLRS

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NC_001716

ORF Size: 2361 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_073813
RefSeq ORF:	2361 bp
Locus ID:	3289531
MW:	90.9 kDa