

Product datasheet for **VC101421**

U73 (NC_001664) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	U73 (NC_001664) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	U73
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 VC101421 represents NCBI reference of NP_042966 with codon optimized for human cell expression

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

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAAAATAGATTTTCAGAACGACACGCTGTTCTCAGAGTGGTTTGGACAGTCTCTGTCAGACGTGCGGT
TCCCGGACAACGTCACCTGTGATTCCCAAGCCGATAGTGCAGTGAGTTTCGAAAACGTAAGACAGCCCAT
CAAATGGTGAGAGCCGCTATGGGGTCTGGCAAGACAACCGCCCTCATCCATTTCTTGAACAGGTACCT
AGAGAAGTGAAGTGTGCTGATTAGTTGCAGAAAGACGTTTCCCGCGAAATACTGCACCGCTTTACTC
TCAACGGTCTGAAAGATTTGAGCTCTATTGCGACATTACCGAGCGCCAGATTAATAATCGCAAGGTGAT
CGTCCAGATTGAAAGCTGCACCGACTGACCGAAAATATGATGTGCTTATACTTGATGAGATCATGTCA
ATTATCAAACAGTTTTACTCAAAAACAATGACTAAGACAAGGAAGTGGACTGTAATTTCTGAGCCTTA
TAAAAACAGCTCCACGTGATTGCTATGGACGCAACCTTGACACGGCATGTAGTTGAATTTCTCGTGC
CTTCAAACCTGATACCCAGATCGCATTGATAAGGAATACCTTTGTCTCTGCAATGTTTTCCAATCGAATC
GCCTACTTCTGCGACACGTTTTTTGGTAAAGAATTTCTTTTTTCGCCCGCTGGAAGACAAAGCTTAGAT
GGGACAAGAAGCTGTGTCTGTTTTGCTCAACAGTGTGGCAGCGGAATACATGTATGACCTATTAGGTC
CCGCTTCCCGCTGAAAAAGTCTGTGCTCACCTCAAAGCAGGGTAAGTGTCTCTATCGAGTCATGG
ATCCGGTACGATGTGGTGTCTACACCTCCGTGGTGACAGTGGGACTGTCTTTCGAACCGGTCTATTTCT
CCTCCTGTTGTCTACATCCAGCTTGTAAAGGGCGCCCGATAGGTGAGCGTCTTTCAGTCAATAGG
CCGCGTTAGAAGGGTCATTGACGAAGATATACATTTACATGAACCCCGTCTCATCCGGTCTATGAC
CCACTGGCCCCATCGCCATCCCCCGTGTCTCAGACTGGTCCGTGCTGAGCAGAGTATTATTTCCGAAA
GCTGCATTGACTTCCCGGGAAATGCAGTGGAGCCCAAGTACAACCTTTGTAGTGTGCTTAAAAGTCT
GTTTCGCTATAGACACTATATTGAAAAGACAACCATACGAGTTTGTGACAGTCTGTTCTTGCTCTGT
AGTCTCTCTGTGAGAATTCTATAAAAGTCGATATCGTCGGCAATGGATTTCCAATGAGAAAAGAGGTGT
TCCTGAGTTTCTCCAAATACTCGTAGAGGAATGTCACTTTATTGAGAAAAGATTACACTGCCAGGCGA
CGACATGACTTTTCAGGAAATCATCAGCTCCCGGAAACCATCATGAACGGTACTTCTACGAGAACGGA
GATCAATTGCTGCATAAGGATTATAACTGACATGGGCAAGTCCGGGCCACCTTCTCTCCCCTGGCG
TGGATATCTTCATCGCTCTGACATCGTGTATGACCTTAAAAATGAGTCTAAACGGTACGTGTTTGTAAA
CGTATGGCTGCAGAAATGTGTGTCAGCTGGCGTGGAGAGCACGGAATAGAAAGGTATTTTGGAGCGG
ATCAAATGTTACATGCTTCTAAGAGCTTCTCTGCGATGAGTACTTCGTGCTCGCGATATCTCTGGCG
TCTACGAGTGGGCGATGCTCATCGATCTGGCATTCTTGCCGAGATGATCAGGAAAGATCTGAAGCTCAA
GAGCTGTACAGATACCACAACAGACATCAGTGAAGATGACCTGTGCTGTGCGCCGCTCGCCGGAGCTCC
GACATTCTGCAGATCATGCAGCTCGTTTACCCTGCAGTTCAGTTCTTTCAAAAATACTCTCTGCAGA
CCCTTCAACTTTTTAACAACACTGAGAGGTATGAGGATTGTACGGGAGTGTCTCAATTGAGAAATTCTC
CATCTCTATCCTGAGGCTGTTCTTCAAATGTGCATTTAATATGACATTGTCTGCTTCTCGACCGAGATAT
ATACCAGGCAAGGCTTACCGCAACCTCACTAAGAATGATATGAAAAATGTTGGATAATTGGGAGATCA
GTAGAATAATCTCAAAAACATGCAAAGAGCTGAGAAAAGCCCTGACTGAAGCCTCTCGGGCTAGACGGAA
GCAGACCATTTAAGCTGCAGGGCAGCGACATTTCCCTGTCCGTGAGCGAGGTGGCGTGTTCGGCCAG
CACGCATCTCCGGGAGTATGTGAAGCAGC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

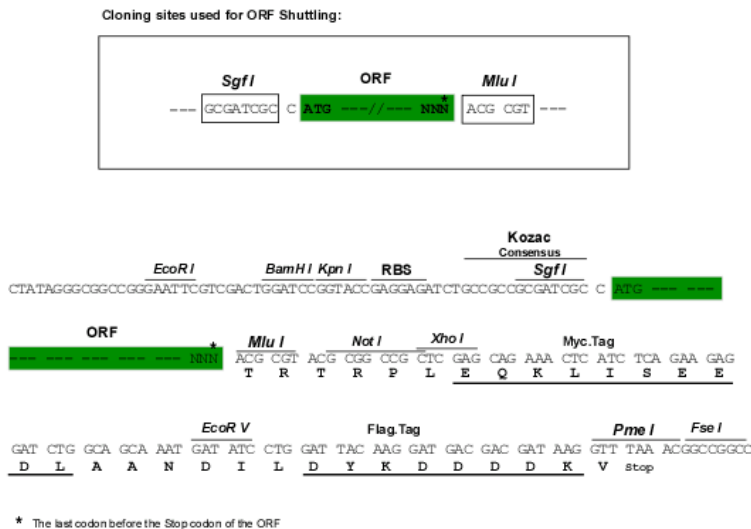
Protein Sequence: >VC101421 representing NP_042966
 Red=Cloning sites Green=Tags

MENRFQNDTLFSEWFGQSLSDVRFDPNVTVYSQADSAVSFENVRQPIKLVRAAMGSGKTTALIHFLKQVP
 RELSVLLISCRKTFAAEILHRFTLNGLKDFELYCDITERQINNRRKIVIVQIESLHRLTENYDVLILDEIMS
 IIKQFYKTMTKTKEVDCKFLSLIKNSSHVIAMDATLTRHVVEFFAAFKPDTQIALIRNFTVSAMFSNRI
 AYFCDTFFGKEFSFFARLEDKLRWDKLCFCSTVLA AEYMYDLIRSRFPLKKVLLLT SKQKGCSSIESW
 IRYDVVIYTSVVTVGLSFEPVYFSSLFVYIQLAKGGPDMVSVFQSIGRVRVIDEDIYIYMNPLIRSYD
 PLAPIAIPPCSDWSVAEQSIISESCIDFRGKCSGAHKYNFCSVLKSLFRYRHYIEKTTITSLSDSLFLLC
 SLLCENSIKVDIVGNFPMRKEVFLSFLQILVEECHFIEKKITLPGDDMTFQEIISSRETIMGDFYENG
 DQLLHKDYITDMGKFRATFLSPGVDIFIASDIVYDLKNEKRYVFNWVWLQKCVSAGVESTEIERVFCER
 IKCYMLPKSFLCDEYFVLGDISGVYEWGLIDLAF LAEMIRKDLKLSCTDTTTDISEDDLLCAARRSS
 DILQIMQLVFTVHVQFFQKYSLQTLQLFNKLRGMRIVTVGFSIEKFSISILRLLFKCAFNM TLSASRPRY
 IPGKAYRNLTKNDMENMLDNWEISRTNLKTCKELRKALTEASRARRKQTIYKLGSDISLSVSEVGVFGQ
 HASPGVCVSS

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NC_001664

ORF Size: 2340 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_042966](#)

RefSeq ORF: 2340 bp

Locus ID: 1487954

MW: 89.7 kDa