

Product datasheet for **VC101422**

U74 (NC_001664) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	U74 (NC_001664) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	U74
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 VC101422 represents NCBI reference of NP_042967 with codon optimized for human cell expression

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

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGCACCTGCGCGCTGCGCATGCCATCTGTCCCTCTATTGCGTTTATAACGACTGGGAAAAATAAATTT
ACCGCGTGCCAATCTTCCAGTGTCTCTTCTCGAGGCCGAGACTAGATCCCTGAAAACTTCTTGATTTCG
AGGCCAGAGTCTGGACCAGGAGTCCCTGAACGAGATTGAAGTTACCCGAAAGGAAACTATGCTGTGGGAT
CTCCAGGAACAGTCCAACATGATGGATAAGAAAATTGCCGCCATCTCAAATCTCATGAATAATGGGG
AGTTGGTCAGAACCCCTCTAAATCTTTGTCCCATTGACGGTCGTTCTCGGGGACGACGGCTTGGAGAT
TCTGGAAGCCTACGTGTGCGCGAAGAGCTGATGCTGCCGCTCGACACCGTCCCTGTCATCTGCGCTGT
ATCGGCGATTACGCCGCTTGGACACAAAGCATTGCTGAGCAATGAGTGTACCCAGGCCCCAAAAAGA
TCAGATTTGGATATCCGTGATGGATTTCACTTCTCTGACTGTCTCCGATGTAAGATCTGCTTTTC
CCACACTGATACGGGCGAGGCCGTCTGTGAAAAGATGAAACAAATCTTCTCCTTCTCCGATGCGCATT
GGTGGCGAGCAGGTTCTGTTGGTGACCCCCAAAAATGCATACGCGCTGTTGTTTGACGATGATTTGTCT
TGTTGCTCCTGCAGAGCGTGTTCGCTTCTGCATGAGAAGATCTTCGGCGTTTATAAACAGGACTGTT
ACAGCTGTGCGAATACATCGGCCAGACTGTGGCCCTTCGGTAACGAACGAAGCGTGAGTTTTATTGGG
TACCCTAACCTGTGGCTGCTCTCAGTGAGCGACCTGGAGAGACGGGTTCCGGACACTACTTACATATGCC
GCGAGATTCTGAGTTTCTGTGGGCTGGCCCTATTCTCGGACCGAGAGGTAGGCATGCGGTGCCAGTGGT
GAGGGAGCTGCCATTGAGATGCCCGGGTCCGAACTTCACTGCAGAGGTTCCGCTTCACTCCCAGTAT
GTCTCTAGCGAGAGCCTTTGCTTCCAGACAGGCCCTGAGGATACACATTTGTTCTTCTGACTCCGACA
TGTACGTTGTAACACTCCCGGATTGTCTGCGGCTGCTCTTGAAGAGCACCGTCCCAAGGCTTTCCTCCC
CTGCTTCGATGAGAACGCCACTGAGATCGATCTTTGCTGAAGTTTATGCTCGGCTGCAGCATCGGTCC
TATGCTCTTTTTGATGCGGTAATTTTCATGCTGGACGCTTTCGTGAGCGCTTTCAGCGCCTTGCACCC
TGATGGGCATGCGGTGGCTGCTTGTCCGCGACCTCCATATGTTCTATCTGACCTGCGATGGAAAGGACAC
CCATGTGGTGATGCCTCTCCTTCAGACTGCCGTGGAAAAGTCTGGGAAAAGACAACCGAGATCAAGCAG
AGGCCAACGTTCCAATGCGCAGAGATTTCTAGGTGCGGTTTCATCGTGTACGCACGCTTCTTTCTGTCT
CCGGTCTCAGCCAGTCTAAGGAAGCTCACTGGACGGTACAGCAAGCAAATACCTTAGCGCCTGCATTTC
CACTAATAAGACAGGATTGTGCTTCGCCTCAATCACAGTATACTCCAGGACATGATGTGCGTATTCATC
GCCAATCGATACAATGTGCTCTACTGGATCGAAGAATTCGACCCAAATGATTATTGTCTCGAATACCATG
AGGGGCTGCTGGACTGCTCTCGCTATACAGCGGTGATGTCCGAGGACGGCCAACCTCGTGCACCAGGCCAG
AGGCATTGCCCTGACCGATAAGATCAATTTTCAGCTACTACATTCTTGTACCTTGAGAGTGTGAGGCGG
TGGGTTGAATCCAAATTTGAGGATGTCGAGCAGACTCAGTTCATACGATGGGAAAATCGCATGCTGTGCC
AGCATATTCACCTGCTCCATCTGAAC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >VC101422 representing NP_042967
Red=Cloning sites Green=Tags

MHLRGCACHLSLYCVYNDWENKIYRVPIFQCLFLEAETRSLKTFILIRGQSLDQESLNEIEVTRKETMLWD
 LQEQSNMMDKIIAAISNLI MNNGELVRTLSKFFVPLTVVLGDDGLEILEAYVCGEELMLPLDTPVILRC
 IGDYAAALDTKHLLSNECTQASKIRFGYSVMDHFHSLTVSDVKICFSHTDTGEAVCEKMKQIFSFSVCAF
 GGEQVLLVTPKNAYALLFDDDLCLLLLQSVFAFLHEKIFGVYKQVLVQLCEYIGPDLWPFGNERSVSFIG
 YPNLWLLSVSDLERRVPDTTYICREILSFCGLAPILGPRGRHAVPVVRELSIEMPGSETSLQRFRNSQY
 VSSESLCFQTGPEDTHLFFSDSDMYVVTLDPCLRLLLKSTVPKAFPCFDENATEIDLLLFMSRLQHR
 YALFDAVIFMLDAFVSFAQRACTLMGMRWLLVRDLHMFYLTCDGKDHVVMPLLQTAVENCWEKTEIKQ
 RPTFQCAEISRCGFIVYARFFLSSGLSQSKEAHWTVTASKYLSACIRTNKTGLCFASITVYFQDMMCVFI
 ANRYNVSYWIEEFDPNDCLEYHEGLLDCSRVTAVMSDGLVVRQARGIALTDKINFSSYILVTLRVLRR
 WVESKFEDVEQTQFIRWENRMLCEHIHLLHLN

TRRRLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NC_001664

ORF Size: 1986 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_042967](#)

RefSeq ORF: 1986 bp

Locus ID: 1487955

MW: 76.3 kDa