

Product datasheet for **VC101513**

U74 (NC_000898) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	U74 (NC_000898) 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 VC101513 represents NCBI reference of NP_050253 with codon optimized for human cell expression

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

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCACCTTAGGGGTGTGCTTGCCACCTGCTCTCTACTGTGTATAACGATTGGGAGAACAAGATCT
ATCGCGTGCCTATATTTCAAGTGTCTGTTCTCGAGGCCGAAACCCGATCACTGAAGACGTTCCCTCATAACG
AGGCCAGTCCCTGGATCAGGAGTCTCTGAATGAAATAGAGGTTACCCGAAAAGAGACCATGCTTTGGGAT
CTGCAGGAGCAGAGTAATATGATGGATAAGAAGATCGCCGCAATCAGTCCCTCATTATGAATAACGGAG
AGCTCCTTAGAAAACCTTCTAAATCTTTGTTCCATTGACCGTCGTCCTGGGCGACGACGGGTTGGAGAT
CCTTGAGGCTTATGTGTGCGGGGAGGAACCGATGCTGCCACTTGACACAGTGCCAGTAATCTGCGGTGC
GTCGGCGACTATGCCGCCCTCGACACTAAGCATCTGCTCAGTAATGAGTGCACACAGGCATCCAAGAAAC
TCAGGTTCCGGTATTCTGTGATGGATTTCCACTTCTCCCTACTGTGTCGACGTGAAGATATGCTTCTC
CCACACCGATACAGGTGAAGCAGTTTGGCAGAAAATGAAGCAGATATTCTACTTCTGTATGTGCCCTT
GGTGGAGAACAGGTCTGCTTGTGACTCCCAAAAACGCCTACGCCCTGCTTTTCGATGACGACCTTTGTT
TGCTCCTCTTGCAATCCGTTTTTGCCTTCTTGACGAGAAAATCTTCGAGTCTACAAGCAGGTCCTGGT
GCAGCTCTGCGAGTACATCGGACCTGACTTGTGGCCATTCCGTAACGAGCGCAGCGTATCTTTCATAGGT
TACCCCAATCTCTGGCTGCTGAGCGTGAGTGACCTGGAGAGGCGCGTGCCTGATACCACATACATTTGTA
GAGAGATCCTGTCAATTTGTGGTCTGGCCCTATACTGGTCTTAGAGGAAGGCACGCAATTCGGTCAAT
CCGGAACTTTCTGTAGAAATGCCAGGGAGCGAGACCAGTCTGCAGCGCTTCCGTTCAACAGTCAATAC
GTATCTCCGAATCTCTGTTTTAGACTGGTCCCAGAACACCCACTTGTCTTCAGCGATTCCGATA
TGTACGTCGTGACCTGCCCGATTGCCTTCGCCTGTTGCTTAAGTCCACGGTGCCACGCGGTTTTCTGCC
GTGCTTCGATGAAAACGCCACGGAATCGAACTGCTTCTTAAATTCATGTCCAGGCTGCAGCATAGGAGC
TACGCTCTTTTACGCCGTCATCTTCATGCTCGACGATTTGTGAGCGCTTTCAGCGGCATGCACAC
TCATGGAGATGCGCTGGCTTGGTCCAGAGACCTGCACGTTTTCTACCTGACATGTGACGAAAAGGATAG
CCACGTTGTGATGCCCTGCTGCAGACCGCGTGGAAAATGTTGGGAAAAGATCACCGAAATAAAACAG
AGGCCTGCCTTCAATGTATGAAATTTACGGTCCGGGTTTGTGTTCTACGCTAGATTCTTTTGGAGT
CCGGGCTCTCCAGTCAAAGGAAGCTCACTGGACAGTACTGCGAGTAAATTTTGTCCGCTGCATCAG
GGCTAATAAGACCGGTTTGTGCTTCGCCTCCATCACTGTGTACTTTCAGGATATGATGTGCGTATTCATA
GCAATAGGTATAATGTCTTATTGGATCGAGGAGTTTGTATCCAACGACTACTGTCTGGAGTATCACG
AGGGCCTCCTGGATTGTAGTCGATACACCGCCGTCATGAGTGAAGACGGTCAGCTGGTGGCGCAGGCCAG
AGGCATAGCCCTCACTGATAAAATTAACTTTTCTACTACATATTGGTCAACCCTGAGGGTTCTTCGCCGC
TGGGTGGAGAGTAAGTTCGAAGATGTGGAGCAAGCTGAGTTTATCAGGTGGGAGAATCGCATGCTCTATG
AACACATTCACCTGCTGCATCTCAAC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >VC101513 representing NP_050253
Red=Cloning sites Green=Tags

MHLRGCACHLSLYCVYNDWENKIYRVPIFQCLFLEAETRSLKTFILIRGQSLDQESLNEIEVTRKETMLWD
 LQEQSNMMDKIIAAISSLIMNGELLRLKSKFFVPLTVVLGDDGLEILEAYVCGEEPMLPLDTPVILRC
 VGDYAAALDTKHLLSNECTQASKLRFGYSVMDHFHSLTVSDVKICFSHTDTGEAVCEKMKQIFYFSVCAF
 GGEQVLLVTPKNAYALLFDDDLCLLLLQSVFAFLHEKIFAVYKQVLVQLCEYIGPDLWPFGNERSVSFIG
 YPNLWLLSVSDLERRVPDTTYICREILSFCGLAPILGPRGRHAIPVIRELSVEMPGSETSLQRFRNSQY
 VSSESLCFQTGPEDTHLFFSDSDMYVVVTLPDCLRLLLKSTVPRAFLPCFDENATEIELLLKFMSRLQHRS
 YALFDAVIFMLDAFVSFAQRACTLMEMRWLLVRDLHVFYLTCDGKDSHVVMPLLTAVENCWEKITEIKQ
 RPAFQCMEISRCGFVYARFLLSSGLSQSKEAHTVTASKYLSACIRANKTGLCFASITVYFQDMMCVFI
 ANRYNVSYWIEEFDPNDCLEYHEGLLDCSRVTAVMSDGLVLRQARGIALTDKINFSSYILVTLRVLRR
 WVESKFEDVEQAEFIRWENRMLYEHIHLLHLN

TRRRLEQKLISEEDLANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NC_000898

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_000898.1](#), [NP_050253](#)

RefSeq ORF: 1986 bp

Locus ID: 1497074

MW: 76.5 kDa