

Product datasheet for **VC101614**

U74 (NC_001716) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	U74 (NC_001716) 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 VC101614 represents NCBI reference of YP_073814 with codon optimized for human cell expression

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

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGCAGATGAGAGTTGTGTTTGTCACTTGGCGTGTACTGCGTCCATAATGACTGGAAGAACAAGCAGT
ACCGGGTCCCTATTTATCAGTGTCTGTTCTTCAATGCCGAAACACATTCTCTCCACACTTTTCTGTTAT
CGGGAACGAGATTAGTAAAACTTGCTCGACAAGATCAGCATAAGTAAAGAGAAGATCTTCATGTGGGAT
CTGAACGAGCAAATCATGTCAATCACACAAAACTGAATCAATCTGTGAGCTCATGTTCCGGAATAAGC
AGATTATCCAGAAGCTCTCCGAACCTTCATATTTCTCACAATAATCCTGAATCCAACATGTATGAGAT
CATTGACGTGTGATTGATTCCAATGCTGTGCTTACATGCCTGACCTCAGGCCTATGATCATAAGGTGC
GTAGGAACTACTCAAAAATTAGTAGCGAGCTGCTCTCCGACTCAGACTGTACACAGGCTACTAAGAAA
TGAGATTCGATTACACGTGACAACTTCTGCTTTTCACTCAATGTTAACGGCAAAAAGGTGCTGTTTCAG
CTCCACTGAGTCAAGCGAGTCCATCCTTGAGAACTGCTGGAATTTTACCATCCAGACTTACAAGCTG
GCGGAGGAGCAGTTCTCATGGTCAACCTAAAACTTCTTACCCTGCTCTTCCGACGAAGACATGTGTT
TGCTCTTGCTGCAAACTGTTAGTTTTCTGTACGATAACCTGTTTAGAAAAGCTGGTGGTGAACA
GGTGCACGATTACATTGGCCCGACCTTGGCCACAGGGCCACGAGCGGGCGGTGACTTTGTGGGGTTC
CCCAATATGTGGTTCTTGCCATCTACGACCTTGATAACAAGATACCCTGTATCAAGAATATCTGCAATC
GGATTCTGCTGTATTGTGGGCTGCCGACTCCTTGGGTCTGTGGGTGCCAAAGCGTGCCTAGCACGCA
ATGCGTGGACGAATTTGAGGACCTGCCAATCTGGGAGCCCTGCAGTACCTGAAGTATAATTCCCTCGTG
GTTACAATGAAAACAGTGGAGAACAGTAAAACTGCTATTATTTTTTTGGTGAGCAGGACCTCTTCATTG
TGAAGTTGGTGGATATCATCCAGAGCCTCCTCGAGCTGTACGTGCCAAAGAGCTTCTGCCCGACTTCTC
TGACGCCTATATTAATCAGAAATTCTCCTCAAGTTCATTAGCCGGCTGCATAAAAAAGTCCAATAATATC
TTCTGCAAGATTGTTAAAAAATCACAGAGTTTTTGCCTGTTTTTTGAATGCCTGCAGACTGATGGACC
TCAACTGGATGTTTCATCAGGAATATGCATATCGTATACTTTATCGGACCAAGAAGGACCCTTCTGTAGT
GCTGCCATTGCTCAAAACGTCTGTGAGTCACTGTTGAAAAAATCTTGAACCTCCAGCCGGACCCCGTA
GTGAACATTAACATCCCTGGGTACAACCTTCTCCACAGCTCTTGCAGCTTCTCACATCTGGCGACA
TAAACTCAGAAGATTCACACTGGACTATTACCGCCAGTAAAGTGCCTGTACAACCTGTCTGGGGCAAGTCA
AATCACAGTCAATTTAAGAATATATACGAACCTTCAACAGATGGTCTCAGTCTTCTGAGCCACAGA
TACGAGAACAAAGTATTGGATCGAGTACTTCGAGCCTAATAATTATTTTCTGGAGACACAGGAGGACTGC
TCGATTGCAATAGGTACTGCGGTGTGGACCACAGAAAACAACTGATTAGACAGAGTGTGGGATACCC
TCTCACCAGACAAGATAGATTTCACTACTACATCCAGGTTGTCATCGAAATATCAAAAAATGGTTGCTT
ACTAAATATTCACAACAAGAGTACGCTGAGACAGTAAGATTGGGATCAAAAATCATCTCCGATCACCTGC
ATCTGTTAATGTGAAT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >VC101614 representing YP_073814
Red=Cloning sites Green=Tags

MQMRGCVCHLGVYCVHNDWKNKQYRVPIYQCLFFNAETHSLHTFLVIGNEISENLLDKISISKEKIFMWD
 LNEQIMSITQKTESICELMFGNKQIIQKLSRTFIFLTIILNSNMYEIIDVCIDSNVLYMPDLRPMIIRC
 VGNYSKISSELLSDSDCTQATKKMRFDYHTNFCFSLNVNGKKVLFSSSTESSEIILEKLEFFTIQTYKL
 AEEQFLMVTPKNFFTVLFDDEMCLLLLQTVVSFLYDNLFRNKLVVKQVHDYIGPDLWPQGHERAVYFVGF
 PNMWFLSIYDLDNKIPCIKNICNRILLYCGLPDSLGPDGQSVSPSTQCDEFEDLPNLGALQYLKYNLSLV
 VTMETVENSENYYFFGEQDLFIVKLVDIQSLELYVPKSFLPDFSDAYIKSEILLKFIISRLHKKSNNI
 FCKIVKKITEFLRCFLNACRLMDLNWMFIRNMHIVYFIGPKKDPSVVLPLLKTSVESCKWIKLNSSRTPV
 VNINYIPGYNFLHSSCSFLTSGDINSEDSHWTITASKCLYNCLGASQITVDFKNIYTNFQQMVSVFLSHR
 YENKYWIEYFEPNNYFLETHEGLLDCNRYTAVWTTENKLIHQSVGYPLTDKIDFIHYIQVVEIFKKWLL
 TKYSQQEYAEVRLGSKIIISDHLHLFNVN

TRRRLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NC_001716

ORF Size: 1977 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_073814](#)

RefSeq ORF: 1977 bp

Locus ID: 3289532

MW: 77.0 kDa